New Jersey Agriculture 1984

THOMAS H. KEAN
Governor

ARTHUR R. BROWN, JR.
Secretary of Agriculture

1/22/85 S5350

CIRCULAR 507

OCTOBER 1984

MESSAGE FROM

THE

GOVERNOR

The strength of New Jersey agriculture has a significant impact on the State and all of its residents. Agriculture is a major Garden State industry, providing a local source of high quality farm products to millions of consumers and employing thousands of people in on-farm and off-farm occupations.

Agriculture keeps our State green, offering the traveler miles of scenic, open space which provides a wide variety of "Jersey Fresh" commodities.

Farming in New Jersey --- the most densely populated and urbanized state in the country --- requires dedication and commitment. This publication documents the results of this continuing effort by farmers, agribusiness and the Department of Agriculture --- all working together to maintain a vital and healthy Garden State agriculture.

Thomas H. Kean
Governor
State of New Jersey

MESSAGE FROM

THE

SECRETARY OF AGRICULTURE

The Department of Agriculture's 1983-84 Annual Report and Agricultural Statistics provides the citizens of New Jersey with a complete and up-to-date review of one of the state's most important industries.

Statistical data, over a period of several years, allows for useful comparisons while offering an accurate assessment of the economic vitality of the $500 million industry. The Annual Report outlines the programs, services and accomplishments of the state Department of Agriculture in its mission to enhance the economic position of the industry.

A high-risk business such as agriculture presents a variety of obstacles and challenges to the farmer and the farm business community each year. This publication can be a valuable resource in making decisions regarding planting, livestock replacements and credit.

Non-farmers can, in turn, use this report to gain insight into the important contributions of our state's farmers and agribusiness industry to our overall quality of life.

The summary is a cooperative effort of the New Jersey Department of Agriculture and the Statistical Reporting Service of the U.S. Department of Agriculture. It was compiled with the assistance and support of farmers and other agriculturalists who I would like to thank for voluntarily providing the data that made this report possible. Accurate, voluntary reports are of great service to the New Jersey agriculture industry.

Arthur R. Brown, Jr.
Secretary of Agriculture

NEW JERSEY AGRICULTURE 1984

COMPILED BY
NEW JERSEY CROP REPORTING SERVICE
NEW JERSEY DEPARTMENT OF AGRICULTURE
IN COOPERATION WITH
UNITED STATES DEPARTMENT OF AGRICULTURE

NEW JERSEY
STATE BOARD OF AGRICULTURE

GARY MOUNT, Princeton
President

ROBERT K. DOBBS, SR., Voorhees Twp.
Vice-President

RAYMOND L. BLEW, JR., Bridgeton

DONALD F. PYLE, Wall

NORMAN J. SCHNETZER, Asbury

WILLIAM G. STOYKO, Sewell

DAVID A. MEIRS, V.M.D., Cream Ridge

ANTHONY RUSSO, JR., Vincentown

NEW JERSEY
DEPARTMENT OF AGRICULTURE

ARTHUR R. BROWN, JR., Secretary of Agriculture

WILLIAM E. KENNY, Assistant Secretary of Agriculture

SAMUEL GARRISON, Director, Division of Administration

DR. SIDNEY R. NUSBAUM, Director, Division of Animal Health

W. W. MOFFETT, JR., Director, Division of Dairy Industry

JOHN J. REPKO, Director, Division of Markets

WILLIAM W. METTERHOUSE, Director, Division of Plant Industry

ROBERT C. FRINGER, Director, Division of Regulatory Services

RICHARD D. CHUMNEY, Director, Division of Rural Resources

NEW JERSEY
CROP REPORTING SERVICE

JAMES R. GIBSON
Statistician in Charge

THOMAS L. GREGORY
M. W. FLINT, JR.
HOLLY K. HODGE
KEITH R. MILLER
STEPHANIE J. MOSS
} Agricultural Statisticians

UNITED STATES
DEPARTMENT OF AGRICULTURE
STATISTICAL REPORTING SERVICE

WILLIAM E. KIBLER, Administrator
RAYMOND R. HANCOCK, Deputy Administrator
CHARLES E. CAUDILL, Director, State Statistical Offices

ACKNOWLEDGMENT

This publication is the result of the continued cooperative assistance of New Jersey farmers, county agents and many agri-business people. We wish to express our thanks to all who have voluntarily submitted the basic data on the many phases of Agriculture in the Garden State. Without this data and combined efforts of the New Jersey Department of Agriculture and the Statistical Reporting Service of the United States Department of Agriculture, this publication would not be possible.

The staff of the New Jersey Crop Reporting Service was responsible for assembling of data and other preparation of this report for the printer. Thomas Gregory, Assistant Statistician in Charge, directed bulletin preparation. Compilation of tabular material was under the supervision of Helen Chianese and Holly Hodge, Angela Malcom and Brenda Sobelman. Layout, typing and design was performed by Marion Leary and Sherri Zeitlin. Weather data was supplied by Keith Arnesen, Agricultural Meteorologist. The Highlights of New Jersey Department of Agriculture were compiled by Pat Garrison. The assistance of all is greatly appreciated.

As you review this report, please feel free to suggest any changes you believe would improve its future usefulness.

James R. Gibson

James R. Gibson
Statistician in Charge

CONTENTS

Agricultural Statistics 1984-SRS ..... pages 1-53

Highlights of NJDA 1983-1984 Annual Report .....pages 54-68

GENERAL — PAGE

Rank of New Jersey counties and of states, selected items 1
Crop summaries 2-3

WEATHER AND FIELD CROPS

Summary 4
Acreage, production and value 5-6
Stocks of grain 7
County data, major crops:
Corn 8
Soybeans 9
Wheat 10
Barley 10
Hay 11
Potatoes 12
Sweet potatoes 12
Unloads, potatoes and sweet potatoes 12
Production, utilization and value, potatoes and sweet potatoes 13
Per capita consumption - potatoes 13
Weather Summary 14
Weather maps 15-16
Precipitation, selected stations 17
Temperature and average freeze dates, selected stations 18

VEGETABLES

Summary 19
Acreage, production and value 20-22
Mushrooms 22
Usual planting and harvesting dates 23
County data, selected crops:
Tomatoes 23
Asparagus 24
Cabbage 24
Lettuce 24
Sweet corn 24
Peppers 24
Unloads, principal vegetables 25

FRUITS AND BERRIES

Summary 26
Production, utilization and value 27
Unloads, apples and peaches 28
County data, major crops:
Apples 28-29
Peaches 28-29
Blueberries 30
Strawberries 30
Usual full bloom and harvesting dates 30
Cranberries, acreage & production by states. 31
Unloads, strawberries and blueberries 31

LIVESTOCK, DAIRY, AND POULTRY — PAGE

Summary 32
Inventory and value - livestock 33
County data:
Cattle and calves 33
Hogs and pigs 33
Sheep and lambs 33
Production, disposition and income - livestock 34
Pasture condition 35
Grain and concentrates fed to dairy cows ... 35
Sows farrowed and pig crop 35
Slaughter, monthly 35
Production, disposition and income - milk .. 36
Manufactured dairy products 36
Milk cows and milk production:
By counties 37
Number of livestock farms by species 37
Inventory and value - poultry 37
Layers and egg production by quarters 38
Production, disposition and income - poultry 38

FARM INCOME AND PRICES

Summary 39
Farm production expenses 40
Gross and net income from farming 40
Value of land and buildings and taxes 40
Balance sheet of the farming sector 41
Cash receipts, by commodities 42
Prices received by farmers, monthly:
Crops 43-44
Livestock and livestock products 44-45
Poultry and eggs 45
Prices paid by farmers for feed, monthly 46-47
Prices paid by farmers for production items 48

MISCELLANEOUS

Exports 49
Number of farms and land in farms 50
Fertilizer consumption 50
Number of Certified Nurseries 51
Weights, measures and conversion factors ... 52
Planting and harvesting dates, field crops 52
Reports issued by New Jersey Crop Reporting Service 53

CONTENTS

Highlights of NJDA 1983–84 Annual Report

OFFICE OF THE SECRETARY	PAGE
State Board of Agriculture	55
Farmers Week	55
Drought Assistance	56
Public Information	56
Legislative Summary	56
Violations	56
Agricultural Development	56
DIVISION OF ADMINISTRATION	
Personnel Services	58
Management and Training	58
Budget and Fiscal Services	58
Administrative Services	58
DIVISION OF ANIMAL HEALTH	
Livestock Disease Control	59
DIVISION OF DAIRY INDUSTRY	
Consumer Milk Prices	60
Producer Milk Price Orders	60
Licensing and Enforcement	60
Market Research and Economic Analysis	60
School Milk Purchase Act	60
DIVISION OF MARKETS	
Market Development Programs	61
New Jersey Sire Stakes	61
Equine Programs	62
Food Distribution Programs	62
DIVISION OF PLANT INDUSTRY	
Biological Control Programs	63
Cooperative Gypsy Moth Program	63
Gypsy Moth Aerial Survey	63
Nursery Inspection	64
Bee Inspection	64
Bureau of Seed Control	64
DIVISION OF REGULATORY SERVICE	
Bureau of Commodity Inspection & Grading	65
Bureau of Agricultural Chemistry	66
Bureau of Licensing and Bonding	66
DIVISION OF RURAL RESOURCES	
State Agricultural Development Committee	67
Rural Resource Service	67
Rural Development Services	67
Natural Resource Conservation and Development	68
Fisheries and Aquaculture Development	68
Crop Reporting Service	68

Telephone Directory of New Jersey Department of Agriculture
Inside Back Cover

RANK OF NEW JERSEY COUNTIES AND OF STATES FOR SELECTED ITEMS, 1983

Item	1	2	3	4	5
NEW JERSEY COUNTIES					
Field crop production:					
Corn for grain	Warren	Hunterdon	Burlington	Salem	Monmouth
Wheat for grain	Salem	Monmouth	Burlington	Mercer 6/	Cumberland 6/
Barley for grain	Burlington	Salem	Cumberland	Monmouth	Mercer
All hay	Hunterdon	Sussex	Warren	Somerset	Burlington
Soybeans for beans	Burlington	Salem	Cumberland	Monmouth	Mercer
Potatoes	Middlesex	Cumberland	Salem	Monmouth	Mercer
Sweet potatoes	Atlantic	Gloucester	Salem	Cumberland	Camden
Vegetable acreage harvested:					
Asparagus	Gloucester	Salem	Cumberland 5/	Burlington 5/	- - -
Cabbage	Cumberland	Monmouth	Atlantic	Salem	Gloucester
Lettuce	Cumberland	Atlantic	Gloucester	Salem 6/	Warren 6/
Peppers	Gloucester	Cumberland	Salem	Atlantic	Monmouth
Sweet corn	Burlington	Monmouth	Salem	Camden 6/	Gloucester 6/
Tomatoes	Gloucester	Salem	Cumberland	Atlantic	Burlington
Fruits and berries:					
Apples, com'l production	Gloucester	Burlington	Monmouth	Atlantic	Salem
Peach production	Gloucester	Atlantic	Cumberland	Camden	Burlington
Blueberry production	Atlantic	Burlington	- - -	- - -	- - -
Strawberry acreage	Burlington	Camden 4/	Cumberland 4/	Gloucester 5/	Monmouth 5/
Certified nurseries:					
Nursery stock acreage	Monmouth	Gloucester	Middlesex	Cumberland	Hunterdon
Number of nurseries	Monmouth	Cumberland	Bergen	Gloucester	Burlington
Livestock and products:					
Milk production	Warren	Sussex	Salem	Hunterdon	Burlington
Number all cattle 1/	Warren	Hunterdon	Sussex	Salem	Burlington
Number sheep and lambs 1/	Hunterdon	Sussex 4/	Somerset 4/	Warren	Salem
Number hogs and pigs	Gloucester	Burlington	Cumberland	Salem	Hunterdon
UNITED STATES					
Crop Production:					
Snap Beans, processing	Wisconsin	Oregon	New York	Michigan	NEW JERSEY
Tomatoes, Fresh Market	Florida	California	South Carolina	Pennsylvania	NEW JERSEY
Peaches	California	South Carolina	Georgia	Pennsylvania	NEW JERSEY
Cranberries	Massachusetts	Wisconsin	NEW JERSEY	Washington	Oregon
Other:					
Taxes per acre 2/	Rhode Island	NEW JERSEY	Michigan	Connecticut	Massachusetts
Average value of farmland and buildings per acre 3/	NEW JERSEY	Rhode Island	Connecticut	Maryland	California

1/ Data relate to January 1, 1984.
2/ Data relate to 1982.
3/ Data relate to 1984.
4/ Counties tied for 2nd.
5/ Counties tied for 3rd.
6/ Counties tied for 4th.

NEW JERSEY: CROP SUMMARY, 1982

Crop	Unit	Acres harvested	Yield per acre	Production (thousands)	Season ave. price per unit (dol.)	Value	
						Total (thou. dol.)	Per acre (dollars)
FIELD CROPS:							
Corn for grain	Bu.	114,000	100.0	11,400	2.69	30,666	269
Wheat	Bu.	45,000	40.0	1,800	3.11	5,598	124
Oats	Bu.	7,000	54.0	378	2.04	771	110
Barley	Bu.	17,000	63.0	1,071	1.88	2,013	118
Rye	Bu.	11,000	29.0	319	3.74	1,193	108
Soybeans for beans	Bu.	170,000	25.0	4,250	5.47	23,248	137
Total above crops	Ton	364,000	--	541.4	--	63,489	174
Alfalfa hay	Ton	50,000	3.50	175	--	--	--
Other hay	Ton	62,000	2.00	124	--	--	--
All hay	Ton	112,000	2.67	299	97.50	29,153	260
Corn for silage	Ton	35,000	15.0	525	20.50	10,763	308
Potatoes	Cwt.	8,500	260	2,210	5.10	11,271	1,326
Sweet potatoes	Cwt.	2,900	110	319	9.80	3,126	1,078
TOTAL FIELD CROPS	Ton	522,400	--	1,491.9	--	117,802	--
FRUIT CROPS:							
Apples	Lb.	--	--	140,000 1/	.1030	14,448	--
Peaches	Lb.	--	--	80,000 1/	.2760	22,084	--
Blueberries	Lb.	7,500 2/	4,000	30,000 1/	.712	21,360	2,848
Cranberries	Cwt.	3,000 2/	98.3	295 1/	46.80	13,806	4,602
Strawberries	Cwt.	1,000 2/	49	49	52.30	2,563	2,563
TOTAL FRUIT CROPS	Ton	11,500 2/	--	142.2	--	74,261	--
VEGETABLES FOR FRESH MARKET:							
Asparagus, Jan.-June 3/	Cwt.	1,500	21	32	82.40	2,637	1,758
Snap beans, Jan.-June	Cwt.	800	38	30	33.20	996	1,245
July-Dec.	Cwt.	4,400	45	198	22.90	4,534	1,030
Cabbage, Jan.-June	Cwt.	500	240	120	13.40	1,608	3,216
July-Dec.	Cwt.	2,700	270	729	7.50	5,468	2,025
Sweet corn, July-Dec.	Cwt.	9,600	74	710	12.30	8,733	910
Cucumbers, July-Dec.	Cwt.	1,800	160	288	17.10	4,925	2,736
Eggplant, July-Dec.	Cwt.	1,100	180	198	13.60	2,693	2,448
Escarole, Jan.-June	Cwt.	300	150	45	24.00	1,080	3,600
July-Dec.	Cwt.	650	185	120	15.00	1,800	2,769
Lettuce, Jan.-June	Cwt.	1,600	150	240	11.30	2,712	1,695
July-Dec.	Cwt.	1,300	260	338	10.50	3,549	2,730
Peppers, July-Dec. 3/	Cwt.	6,600	75	495	21.50	10,643	1,613
Spinach, Jan.-June	Cwt.	1,200	72	86	27.80	2,391	1,993
July-Dec.	Cwt.	700	90	63	23.40	1,474	2,106
Tomatoes, July-Dec.	Cwt.	6,600	120	792	31.80	25,186	3,816
Total - 11 market crops	Cwt.	41,350	108	4,484	17.94	80,429	1,945
VEGETABLES FOR PROCESSING:							
Tomatoes	Ton	5,600	19.07	106.8	87.40	9,333	1,667
Snap beans	Ton	9,300	2.66	24.7	202.00	4,997	537
Total - 2 processing crops	Ton	14,900	8.83	131.5	108.97	14,330	962
Other vegetables 4/	Ton	1,400	14.64	20.5	102.54	2,102	1,501
TOTAL PRINCIPAL VEGETABLES	Ton	57,650	6.53	376.2	257.45	96,861	1,680
TOTAL ALL CROPS	Ton	580,050	--	2,010.3	--	288,924	--

1/ Utilized production.
2/ Not included in all crops total.
3/ Includes both fresh market and processing amounts.
4/ Not published to avoid disclosing individual operations.

NEW JERSEY: CROP SUMMARY, 1983

Crop	Unit	Acres harvested	Yield per acre	Production (thousands)	Season ave. price per unit (dol.)	Value	
						Total (thou. dol.)	Per acre (dollars)
FIELD CROPS:							
Corn for grain	Bu.	90,000	68.0	6,120	3.75	22,950	255
Wheat	Bu.	38,000	40.0	1,520	3.35	5,092	134
Oats	Bu.	5,000	51.0	255	1.95	497	99
Barley	Bu.	17,000	53.0	901	2.00	1,802	106
Rye	Bu.	13,000	30.0	390	2.70	1,053	81
Soybeans for beans	Bu.	133,000	23.0	3,059	7.75	23,707	178
Total above crops	Ton	296,000	--.-	345.4	--.--	55,101	186
Alfalfa hay	Ton	45,000	3.60	162	--.--	--.--	--.--
Other hay	Ton	70,000	1.90	133	--.--	--.--	--.--
All hay	Ton	115,000	2.57	295	98.50	29,058	253
Corn for silage	Ton	32,000	11.0	352	25.00	8,800	275
Potatoes	Cwt.	8,500	190	1,615	8.35	13,485	1,586
Sweet potatoes	Cwt.	2,400	90	216	14.00	3,024	1,260
TOTAL FIELD CROPS	Ton	453,900	--.-	1,084.0	--.--	109,468	--.--
FRUIT CROPS:							
Apples	Lb.	--.--	--.-	100,000 1/	.1050	10,450	--.--
Peaches	Lb.	--.--	--.-	90,000 1/	.2540	22,851	--.--
Blueberries	Lb.	7,800 2/	2,950	23,000 1/	.794	18,260	2,341
Cranberries	Cwt.	3,100 2/	75.2	233 1/	51.50	12,000	3,871
Strawberries	Cwt.	1,000 2/	50	50	51.10	2,555	2,555
TOTAL FRUIT CROPS	Ton	11,900 2/	--.--	120.7	--.--	66,116	--.--
VEGETABLES FOR FRESH MARKET:							
Asparagus, Jan.-June 3/	Cwt.	1,400	17	24	79.60	1,910	1,364
Snap beans, Jan.-June	Cwt.	600	45	27	21.20	572	953
July-Dec.	Cwt.	2,600	39	101	31.00	3,131	1,204
Cabbage, Jan.-June	Cwt.	400	250	100	11.00	1,100	2,750
July-Dec.	Cwt.	2,800	245	686	12.00	8,232	2,940
Sweet corn, July-Dec.	Cwt.	11,500	70	805	13.40	10,787	938
Cucumbers, July-Dec.	Cwt.	1,700	150	255	15.50	3,953	2,325
Eggplant, July-Dec.	Cwt.	1,000	150	150	16.30	2,445	2,445
Escarole, Jan.-June	Cwt.	250	195	49	28.40	1,392	5,568
July-Dec.	Cwt.	650	165	107	23.00	2,461	3,786
Lettuce, Jan.-June	Cwt.	1,600	140	224	17.40	3,898	2,436
July-Dec.	Cwt.	1,300	200	260	12.30	3,198	2,460
Peppers, July-Dec. 3/	Cwt.	6,500	72	468	22.00	10,296	1,584
Spinach, Jan.-June	Cwt.	1,200	72	86	37.90	3,259	2,716
July-Dec.	Cwt.	700	80	56	32.00	1,792	2,560
Tomatoes, July-Dec.	Cwt.	5,700	95	542	23.10	12,520	2,196
Total - 11 market crops	Cwt.	39,900	99	3,940	18.01	70,946	1,778
VEGETABLES FOR PROCESSING:							
Tomatoes	Ton	4,400	15.70	69.1	83.00	5,734	1,303
Snap beans	Ton	6,200	1.82	11.3	200.00	2,256	364
Total - 2 processing crops	Ton	10,600	5.39	80.4	99.43	7,990	754
Other vegetables 4/	Ton	1,250	14.00	17.5	82.63	1,446	1,157
TOTAL PRINCIPAL VEGETABLES	Ton	51,750	5.70	294.9	272.57	80,382	1,553
TOTAL ALL CROPS	Ton	505,650	--.--	1,499.6	--.--	255,966	--.--

1/ Utilized production.
2/ Not included in all crops total.
3/ Includes both fresh market and processing.
4/ Not published separately to avoid disclosing individual operations.

FIELD CROP SUMMARY

Weather conditions in New Jersey during 1983 adversely affected production of most field crops. Spring months were cool with above normal precipitation. Weather conditions reversed during the summer months when temperatures turned hot and rainfall, with the exception of scattered local showers, was practically nil. State yields averaged below 1982 yields for corn for grain, corn for silage, oats, barley, soybeans, potatoes, sweet potatoes and other hay.

The 1983 wheat crop dropped to 1,520,000 bushels, down 16 percent from the 1982 crop of 1,800,000 bushels. Acres harvested declined to 38,000, down 7,000 acres from the previous year. The 40.0 bushel average yield was unchanged from a year earlier. The average price improved to $3.35 per bushel, up 24 cents from 1982. This resulted in a value of production amounting to $5.1 million compared to $5.6 million the previous year.

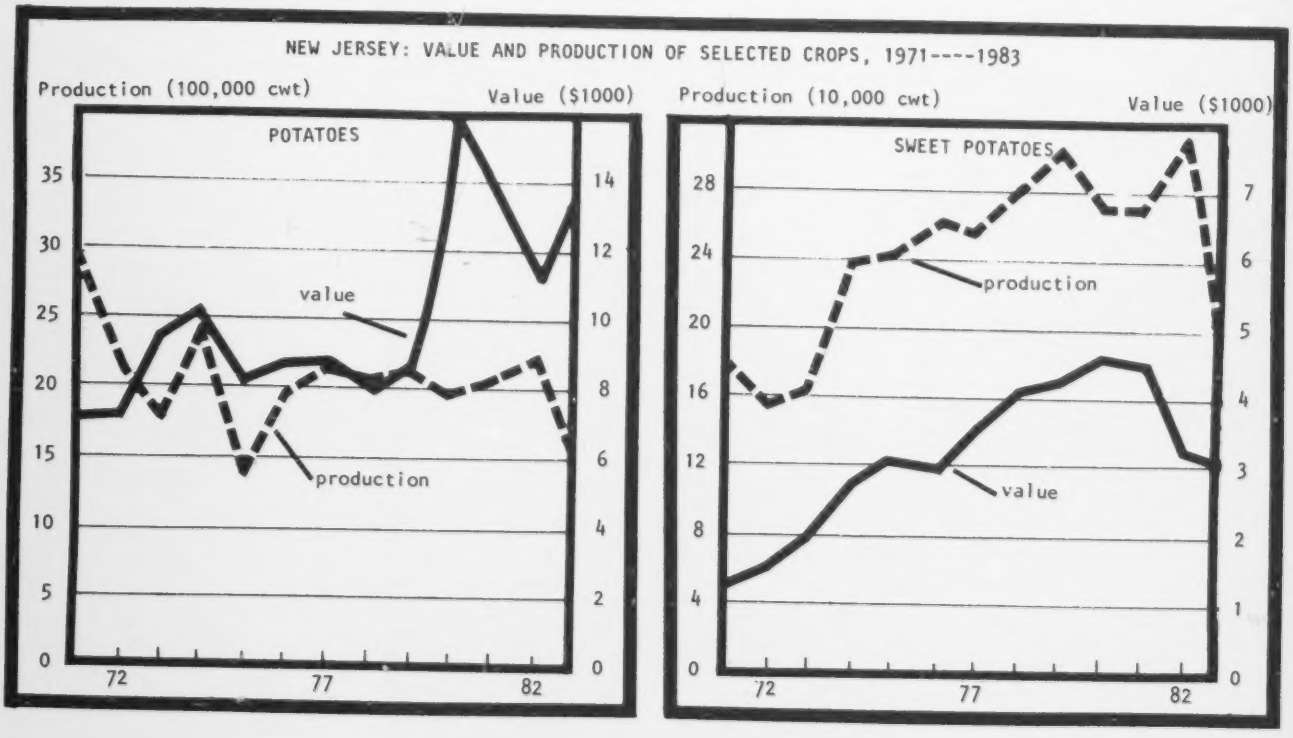
Corn production for grain totaled 6,120,000 bushels, down 46 percent from the 1982 crop of 11,400,000 bushels. Yield per acre averaged 68.0 bushels compared to 100.0 a year earlier. Acres harvested for grain, at 90,000, was 24,000 acres down from the previous year. The season average price per bushel increased to $3.75, up $1.06 from 1982. Value of production decreased to $23.0 million, down 25 percent from $30.7 million in 1982. Corn silage production amounted to 352,000 tons, 33 percent less than 1982. Yield averaged 11.0 tons per acre compared to 15.0 tons in 1982. Value of production dropped to $8.8 million, down 18 percent from the $10.8 million value in 1982.

Soybean production in 1983 totaled 3,059,000 bushels, 28 percent below 1982. Yield averaged 23.0 bushels per acre compared to 25.0 a year earlier. Acres harvested decreased to 133,000 acres, down 37,000 acres from 1982. Average price per bushel increased to $7.75, up $2.28 from the previous year. Value of production increased to $23.7 million compared to $23.2 million the previous year.

White potato production in 1983 amounted to 1,615,000 hundredweight, down 27 percent from the 2,210,000 hundredweight produced in 1982. Yield per acre, at 190 hundredweight, was down 27 percent from the previous year as acreage harvested remained unchanged at 8,500 acres. Season average price increased to $8.35, up $3.25 from a year earlier. Value of production rose to $13.5 million, up 20 percent from 1982.

Sweet potato production fell to 216,000 hundredweight, down 32 percent from 1982. Yield averaged 90 hundredweight compared to 110 hundredweight the previous year. Harvested acres decreased to 2,400, off 500 acres from a year earlier. Season average price increased to $14.00 per hundredweight, up $4.20 from 1982. Value of production declined to $3.0 million, down 3 percent from the previous year.

All hay production totaled 295,000 tons, 1 percent below 1982. Yield averaged 2.57 tons per acre compared to 2.67 tons a year earlier. Area harvested increased to 115,000 acres, up 3 percent from the preceeding year. Season average price increased to $98.50 per ton, $1.00 above 1982. Value of production amounted to $29.1 million compared to $29.2 million the previous year.



NEW JERSEY: FIELD CROPS, ACREAGE, PRODUCTION AND VALUE, 1978-1983

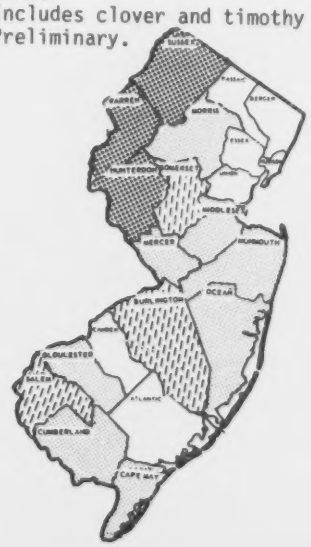
Year	Acres		Yield per acre 1/	Production (thou.) 1/	Season average price 1/ (dollars)	Value	
	Planted (thou.)	Harvested (thou.)				Total (thou. dol.)	Per acre (dollars)
CORN FOR GRAIN 2/							
1978	143	103	91.0	9,373	2.45	22,964	223
1979	137	95	90.0	8,550	2.89	24,710	260
1980	158	118	75.0	8,850	3.59	31,772	269
1981	170	130	99.0	12,870	2.61	33,591	258
1982	152	114	100.0	11,400	2.69	30,666	269
1983	125	90	68.0	6,120	3.75	22,950	255
CORN FOR SILAGE							
1978	--	37	15.5	574	18.86	10,826	293
1979	--	39	15.0	585	21.36	12,496	320
1980	--	36	13.5	486	27.20	13,219	367
1981	--	37	15.0	555	20.76	11,522	311
1982	--	35	15.0	525	20.50	10,763	308
1983	--	32	11.0	352	25.00	8,800	275
WHEAT							
1978	36	25	36.0	900	3.05	2,745	110
1979	51	41	36.0	1,476	4.00	5,904	144
1980	52	43	43.0	1,849	3.98	7,359	171
1981	64	56	42.0	2,352	3.27	7,691	137
1982	60	45	40.0	1,800	3.11	5,598	124
1983	55	38	40.0	1,520	3.35	5,092	134
OATS							
1978	9	8	48.0	384	1.45	557	70
1979	8	7	50.0	350	1.50	525	75
1980	8	7	55.0	385	2.22	855	122
1981	8	7	55.0	385	2.20	847	121
1982	8	7	54.0	378	2.04	771	110
1983	6	5	51.0	255	1.95	497	99
BARLEY							
1978	30	15	46.0	690	1.75	1,208	81
1979	28	14	51.0	714	1.95	1,392	99
1980	27	15	53.0	795	2.23	1,773	118
1981	24	16	61.0	976	2.02	1,972	123
1982	28	17	63.0	1,071	1.88	2,013	118
1983	25	17	53.0	901	2.00	1,802	106
RYE							
1978	76	11	23.0	253	2.75	696	63
1979	79	10	25.0	250	3.05	763	76
1980	82	8	27.0	216	3.24	700	88
1981	76	9	29.0	261	3.89	1,015	113
1982	80	11	29.0	319	3.74	1,193	108
1983	76	13	30.0	390	2.70	1,053	81
SOYBEANS 3/							
1978	195	191	31.0	5,921	6.80	40,263	211
1979	205	203	30.0	6,090	6.20	37,758	186
1980	200	194	18.0	3,492	7.77	27,133	140
1981	170	168	29.0	4,872	5.96	29,037	173
1982	172	170	25.0	4,250	5.47	23,248	137
1983	135	133	23.0	3,059	7.75	23,707	178

1/ Yield per acre, production and season average price of grains in bushels; silage in tons.
2/ Corn acres planted (first column) is for all purposes including silage and other; remaining columns relate only to corn harvested for grain.
3/ Soybean acres planted (first column) is for all purposes including silage and other; remaining columns relate only to soybeans harvested for beans.

NEW JERSEY: FIELD CROPS, ACREAGE, PRODUCTION AND VALUE, 1978-1983

Year	Acres		Yield per acre 1/	Production (thou.) 1/	Season average price 1/ (dollars)	Value	
	Planted (thou.)	Harvested (thou.)				Total (thou. dol.)	Per acre (dollars)
POTATOES							
1978	8.5	8.2	255	2,091	3.85	8,050	982
1979	8.8	8.5	250	2,125	4.00	8,500	1,000
1980	8.5	8.2	240	1,968	8.30	16,334	1,992
1981	8.3	8.1	255	2,066	7.00	14,462	1,785
1982	8.6	8.5	260	2,210	5.10	11,271	1,326
1983 3/	8.8	8.5	190	1,615	8.35	13,485	1,586
SWEET POTATOES							
1978	2.6	2.6	110	286	14.00	4,004	1,540
1979	2.7	2.7	115	311	13.50	4,199	1,555
1980	2.4	2.4	115	276	16.40	4,526	1,886
1981	2.5	2.5	110	275	16.10	4,428	1,771
1982	2.9	2.9	110	319	9.80	3,126	1,078
1983	2.5	2.4	90	216	14.00	3,024	1,260
ALFALFA HAY							
1978	--	53	3.30	175	--	--	--
1979	--	48	3.60	173	--	--	--
1980	--	41	3.00	123	--	--	--
1981	--	45	3.40	153	--	--	--
1982	--	50	3.50	175	--	--	--
1983	--	45	3.60	162	--	--	--
OTHER HAY 2/							
1978	--	76	2.00	152	--	--	--
1979	--	79	2.20	174	--	--	--
1980	--	66	2.00	132	--	--	--
1981	--	65	2.00	130	--	--	--
1982	--	62	2.00	124	--	--	--
1983	--	70	1.90	133	--	--	--
ALL HAY							
1978	--	129	2.53	327	72.50	23,708	184
1979	--	127	2.73	347	61.00	21,167	167
1980	--	107	2.38	255	78.50	20,018	187
1981	--	110	2.57	283	94.00	26,602	242
1982	--	112	2.67	299	97.50	29,153	260
1983	--	115	2.57	295	98.50	29,058	253

1/ Yield per acre, production and season average price of potatoes and sweet potatoes in hundredweight; hay in tons.
2/ Includes clover and timothy hay.
3/ Preliminary.

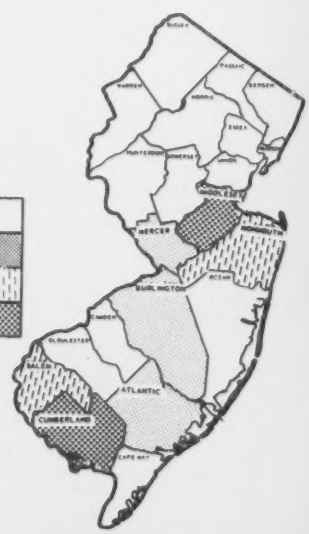


ALL HAY
1983 Production
Tons

0	--	1,999	
2,000	--	14,999	
15,000	--	39,999	
40,000	--	+	

POTATOES
1983 Production
Cwt

0	--	49,999	
50,000	--	149,999	
150,000	--	299,999	
300,000	--	+	



NEW JERSEY: STOCKS OF GRAIN IN ALL POSITIONS, 1978-1984

Crop Year	January 1			April 1			June 1			October 1		
	On farm	Total Off farm	all positions	On farm	Total Off farm	all positions	On farm	Total Off farm	all positions	On farm	Total Off farm	all positions
	-- thousand bushels --											
WHEAT												
1978	141	1/	1/	24	1/	1/	12	153	165	162	1/	1/
1979	72	253	325	9	1/	1/	5	1/	1/	177	139	316
1980	74	198	272	37	1/	1/	22	1/	1/	259	1/	1/
1981	148	1/	1/	111	1/	1/	92	1/	1/	141	1/	1/
1982	71	212	283	47	142	189	24	112	136	252	1/	1/
1983	216	210	426	90	131	221	36	1/	1/	216	181	397
1984	106	1/	1/	46	1/	1/	30	1/	1/			
OATS												
1978	186	32	218	85	69	154	58	56	114	253	44	297
1979	192	61	253	84	54	138	61	55	116	263	74	337
1980	228	54	282	116	53	169	74	55	129	281	51	332
1981	258	50	308	162	54	216	35	41	76	266	91	357
1982	154	60	214	116	61	177	92	45	137	246	64	310
1983	215	82	297	87	47	134	76	27	103	166	26	192
1984	158	38	196	97	40	137	51	30	81			
BARLEY												
1978	94	97	191	50	68	118	31	1/	1/	117	78	195
1979	97	61	158	35	68	103	7	1/	1/	86	98	184
1980	71	66	137	43	49	92	29	1/	1/	239	1/	1/
1981	103	1/	1/	72	1/	1/	32	1/	1/	146	1/	1/
1982	117	96	213	59	74	133	39	1/	1/	182	1/	1/
1983	129	101	230	43	40	83	21	26	47	252	185	437
1984	90	87	177	36	1/	1/	9	54	63			
RYE												
1978	79	1/	1/	42	1/	1/	28	1/	1/	81	1/	1/
1979	63	1/	1/	43	1/	1/	25	1/	1/	75	1/	1/
1980	50	--	50	25	--	25	8	1/	1/	114	1/	1/
1981	32	1/	1/	6	--	6	4	--	4	99	1/	1/
1982	52	1/	1/	21	1/	1/	13	1/	1/	105	1/	1/
1983	32	1/	1/	13	1/	1/	6	--	6			
CORN												
1978	4,782	518	5,300	2,356	1/	1/	1,386	1/	1/	208	72	280
1979	5,436	392	5,828	3,187	307	3,494	1,406	1/	1/	375	32	407
1980	5,130	213	5,343	2,565	141	2,706	1,625	40	1,665	171	13	184
1981	4,779	206	4,985	2,478	182	2,660	1,593	131	1,724	266	42	308
1982	6,306	251	6,557	3,604	110	3,714	3,089	120	3,209	1,931	81	2,012
1983	7,068	389	7,457	2,964	129	3,093	2,052	116	2,168	1,140	82	1,222
1984	3,305	280	3,585	2,020	145	2,165	1,102	108	1,210			
SOYBEANS 2/												
1978	1,699	1/	1/	297	1/	1/	170	1/	1/	85	1/	1/
1979	2,428	1/	1/	533	1/	1/	178	1/	1/	118	1/	1/
1980	3,350	233	3,583	1,035	1/	1/	974	1/	1/	670	1/	1/
1981	1,222	95	1,317	698	1/	1/	629	1/	1/	297	1/	1/
1982	1,949	89	2,038	682	1/	1/	487	1/	1/	49	1/	1/
1983	1,488	172	1,660	850	1/	1/	383	22	405	170	--	170
1984	1,101	80	1,181	367	1/	1/	92	1/	1/			

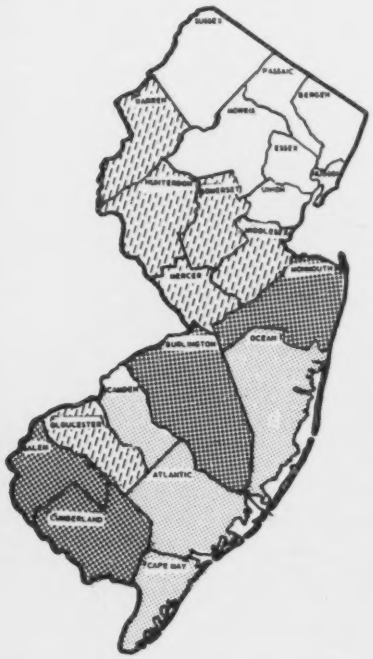
1/ Included in national estimates, but not shown for New Jersey to avoid disclosure of individual operations.
2/ Soybean stocks as of September 1, instead of October 1.

NEW JERSEY: CORN ACREAGE AND PRODUCTION, BY COUNTIES, 1982-1983

County	Acres harvested for all purposes	Acres harvested for grain	Yield per acre (bushels)	Production (bushels)
		1982		
NORTH DISTRICT:				
Hunterdon	28,100	22,400	96	2,150,400
Morris	5,300	4,900	95	465,500
Somerset	9,100	6,800	88	598,400
Sussex	10,400	3,100	103	319,300
Warren	28,900	22,000	105	2,310,000
CENTRAL DISTRICT:				
Burlington	16,900	12,200	106	1,293,200
Mercer	5,000	4,800	117	561,600
Middlesex	6,000	5,000	121	605,000
Monmouth	9,900	8,800	104	915,200
Ocean	1,600	1,500	101	151,500
SOUTH DISTRICT:				
Atlantic	300	200	83	16,600
Camden	500	500	80	40,000
Cape May	700	700	92	64,400
Cumberland	3,700	2,800	100	280,000
Gloucester	5,000	3,600	89	320,400
Salem	19,300	12,500	105	1,312,500
Other counties	300	200	100	20,000
STATE	151,000	112,000	102	11,424,000
		1983		
NORTH DISTRICT:				
Hunterdon	21,000	16,000	59	944,000
Morris	4,500	3,900	82	319,800
Somerset	6,000	4,000	46	184,000
Sussex	8,500	2,800	80	224,000
Warren	25,000	19,200	87	1,670,400
CENTRAL DISTRICT:				
Burlington	16,000	12,800	64	819,200
Mercer	4,000	3,600	68	244,800
Middlesex	4,500	3,900	80	312,000
Monmouth	7,700	6,900	61	420,900
Ocean	1,400	1,000	70	70,000
SOUTH DISTRICT:				
Atlantic	200	200	52	10,400
Camden	300	300	64	19,200
Cape May	500	500	49	24,500
Cumberland	3,500	2,700	50	135,000
Gloucester	3,600	2,500	65	162,500
Salem	15,700	9,300	57	530,100
Other counties	600	400	73	29,200
STATE	123,000	90,000	68	6,120,000

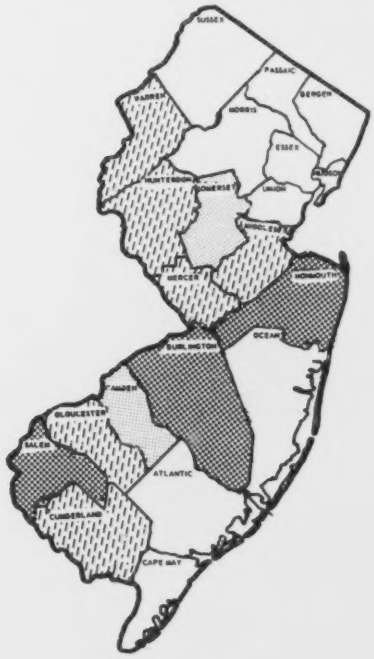
NEW JERSEY: SOYBEANS FOR BEANS, BY COUNTIES, 1982-1983

County	Acres harvested	Yield per acre (bushels)	Production (bushels)	Acres harvested	Yield per acre (bushels)	Production (bushels)
		1982			1983	
NORTH DISTRICT:						
Hunterdon	12,300	23	282,900	8,500	22	187,000
Somerset	8,400	20	168,000	6,200	17	105,400
Warren	3,200	26	83,200	3,200	32	102,400
CENTRAL DISTRICT:						
Burlington	25,300	27	683,100	20,000	26	520,000
Mercer	14,600	25	365,000	10,500	26	273,000
Middlesex	9,200	26	239,200	7,300	19	138,700
Monmouth	19,500	28	546,000	18,500	24	444,000
Ocean	2,400	25	60,000	1,700	28	47,600
SOUTH DISTRICT:						
Atlantic	1,200	23	27,600	900	13	11,700
Camden	1,400	19	26,600	800	12	9,600
Cape May	1,500	28	42,000	900	24	21,600
Cumberland	21,000	26	546,000	16,000	29	464,000
Gloucester	19,800	20	396,000	14,500	14	203,000
Salem	29,400	26	764,400	23,500	22	517,000
Other counties	800	25	20,000	500	28	14,000
STATE	170,000	25	4,250,000	133,000	23	3,059,000



SOYBEANS FOR BEANS
Production 1983
Bushels

0 -- 8,999
9,000 -- 99,999
100,000 -- 399,999
400,000 -- +



WHEAT FOR GRAIN
Production 1983
Bushels

0 -- 14,999
15,000 -- 99,999
100,000 -- 199,999
200,000 -- +

BARLEY FOR GRAIN
Production 1983
Bushels

0 -- 13,999
14,000 -- 49,000
50,000 -- 149,999
150,000 -- +

NEW JERSEY: WHEAT FOR GRAIN, BY COUNTIES, 1982-1983

County	Acres harvested	Yield per acre (bushels)	Production (bushels)	Acres harvested	Yield per acre (bushels)	Production (bushels)
		1982			1983	
NORTH DISTRICT:						
Hunterdon	4,800	35	168,000	4,700	40	188,000
Somerset	2,300	41	94,300	2,200	35	77,000
Warren	2,500	47	117,500	2,600	45	117,000
CENTRAL DISTRICT:						
Burlington	5,200	41	213,200	5,100	40	204,000
Mercer	5,300	41	217,300	4,900	40	196,000
Middlesex	2,800	41	114,800	2,600	41	106,600
Monmouth	7,600	42	319,200	6,600	40	264,000
SOUTH DISTRICT:						
Camden	600	32	19,200	500	31	15,500
Cumberland	5,800	40	232,000	4,900	40	196,000
Gloucester	3,600	40	144,000	3,500	38	133,000
Salem	7,000	44	308,000	6,900	41	282,900
Other counties	500	41	20,500	500	40	20,000
STATE	48,000	41	1,968,000	45,000	40	1,800,000

NEW JERSEY: BARLEY FOR GRAIN, BY COUNTIES, 1982-1983

County	Acres harvested	Yield per acre (bushels)	Production (bushels)	Acres harvested	Yield per acre (bushels)	Production (bushels)
		1982			1983	
NORTH DISTRICT:						
Hunterdon	500	57	28,500	500	50	25,000
Somerset	500	58	29,000	500	58	29,000
Warren	300	50	15,000	300	48	14,400
CENTRAL DISTRICT:						
Burlington	4,800	68	326,400	4,200	57	239,400
Mercer	2,000	69	138,000	2,000	56	112,000
Middlesex	800	63	50,400	1,000	56	56,000
Monmouth	2,100	67	140,700	2,100	54	113,400
SOUTH DISTRICT:						
Cumberland	2,300	61	140,300	2,200	53	116,600
Gloucester	1,200	56	67,200	1,200	50	60,000
Salem	4,900	59	289,100	4,400	48	211,200
Other counties	600	59	35,400	600	50	30,000
STATE	20,000	63	1,260,000	19,000	53	1,007,000

NEW JERSEY: HAY ACREAGE AND PRODUCTION, BY COUNTIES, 1982-1983

County	Acres harvested		All hay		
	Alfalfa	Other 1/	Acres harvested	Yield per acre (tons)	Production (tons)
		1982			
NORTH DISTRICT:					
Hunterdon	8,300	14,200	22,500	2.4	54,000
Morris	1,400	3,900	5,300	2.3	12,000
Somerset	4,200	7,000	11,200	2.5	28,000
Sussex	8,200	11,000	19,200	2.6	50,000
Warren	9,600	7,000	16,600	3.2	53,000
CENTRAL DISTRICT:					
Burlington	4,200	5,100	9,300	2.6	24,000
Mercer	2,000	1,800	3,800	2.1	8,000
Middlesex	400	700	1,100	1.8	2,000
Monmouth	2,800	1,800	4,600	3.0	14,000
Ocean	400	1,300	1,700	2.9	5,000
SOUTH DISTRICT:					
Cape May	500	500	1,000	2.3	2,300
Cumberland	1,700	2,500	4,200	2.6	11,000
Gloucester	1,400	1,000	2,400	2.9	7,000
Salem	4,200	3,500	7,700	3.2	25,000
Other counties	700	700	1,400	2.6	3,700
STATE	50,000	62,000	112,000	2.67	299,000
		1983			
NORTH DISTRICT:					
Hunterdon	7,400	15,000	22,400	2.5	56,000
Morris	1,200	4,500	5,700	2.1	12,000
Somerset	3,500	8,000	11,500	2.3	27,000
Sussex	7,700	12,000	19,700	2.6	51,000
Warren	9,200	7,900	17,100	2.9	49,000
CENTRAL DISTRICT:					
Burlington	4,000	5,600	9,600	2.7	26,000
Mercer	1,700	2,500	4,200	2.5	10,400
Middlesex	400	1,000	1,400	2.0	2,800
Monmouth	2,500	2,200	4,700	2.7	12,500
Ocean	400	1,700	2,100	2.0	4,100
SOUTH DISTRICT:					
Cape May	400	600	1,000	2.2	2,200
Cumberland	1,400	3,000	4,400	2.3	10,000
Gloucester	1,000	1,300	2,300	2.7	6,100
Salem	3,600	3,900	7,500	3.0	22,500
Other counties	600	800	1,400	2.4	3,400
STATE	45,000	70,000	115,000	2.57	295,000

1/ Includes clover and timothy.
2/ Included with other counties.

NEW JERSEY: POTATOES, BY COUNTIES, 1982-1983

County	Acres harvested	Yield per acre (cwt.)	Production (cwt.)	Acres harvested	Yield per acre (cwt.)	Production (cwt.)
		1982			1983	
CENTRAL DISTRICT:						
Burlington	400	255	102,000	500	140	70,000
Mercer	400	250	100,000	400	230	92,000
Middlesex	2,200	280	616,000	2,000	220	440,000
Monmouth	1,500	280	420,000	1,400	180	252,000
SOUTH DISTRICT:						
Atlantic	400	270	108,000	400	150	60,000
Cumberland	2,000	225	450,000	2,100	180	378,000
Salem	1,400	260	364,000	1,500	190	285,000
Other counties	200	250	50,000	200	190	38,000
STATE	8,500	260	2,210,000	8,500	190	1,615,000

NEW JERSEY: SWEET POTATOES, BY COUNTIES, 1982-1983

County	Acres harvested	Yield per acre (cwt.)	Production (cwt.)	Acres harvested	Yield per acre (cwt.)	Production (cwt.)
		1982			1983	
SOUTH DISTRICT:						
Atlantic	1,150	120	138,000	900	100	90,000
Camden	250	130	32,500	200	90	18,000
Cumberland	300	100	30,000	300	75	22,500
Gloucester	750	100	75,000	600	85	51,000
Salem	350	100	35,000	300	90	27,000
Other counties	100	85	8,500	100	75	7,500
STATE	2,900	110	319,000	2,400	90	216,000

NEW JERSEY: MONTHLY UNLOADS OF POTATOES AND SWEET POTATOES AT 22 U.S. CITIES, 1980-1984 1/

Crop and year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Season totals
	-- 1,000 cwt. --													
POTATOES:														
1980-81	48	194	90	39	1	--	--	--	--	--	1	1	--	374
1981-82	69	189	141	90	7	--	--	1	--	--	--	1	--	498
1982-83	15	213	193	114	62	11	--	--	4	--	--	--	--	612
1983-84	8	134	84	54	6	--	--	--	--	--	--	--	--	286
SWEET POTATOES:														
1980-81	--	2	11	19	30	22	12	12	13	15	8	6	2	152
1981-82	--	1	12	20	33	17	7	8	10	9	5	5	2	129
1982-83	--	1	8	10	20	15	7	4	4	6	4	4	3	86
1983-84	--	3	5	12	19	13	8	7	5	7	4	2	2	87

1/ Arrivals at 41 U.S. cities prior to October 1, 1981.

SOURCE: Fruit & Vegetable Market News Service, C&MS, U.S. Department of Agriculture

NEW JERSEY: PRODUCTION, UTILIZATION AND VALUE OF POTATOES AND SWEET POTATOES, 1977-1982 1/

Year	Production (thou. cwt.)	Total used for seed (thou. cwt.)	Used on farms where grown		Sold (thou. cwt.)	Season average price per cwt. (dollars)	Value of	
			For seed, feed and household use (thou. cwt.)	Shrinkage and loss (thou. cwt.)			Production (thou. dol.)	Sales (thou. dol.)
				POTATOES				
1977	2,147	153	8	75	2,064	4.14	8,889	8,545
1978	2,091	158	8	73	2,010	3.85	8,050	7,739
1979	2,125	153	9	74	2,042	4.00	8,500	8,168
1980	1,968	149	8	59	1,901	8.30	16,334	15,778
1981	2,066	155	8	62	1,996	7.00	14,462	13,972
1982	2,210	158	8	66	2,136	5.10	11,271	10,894
				SWEET POTATOES				
1977	252	13	10	20	222	14.60	3,679	3,241
1978	286	16	11	27	248	14.00	4,004	3,472
1979	311	8	9	19	283	13.50	4,199	3,821
1980	276	11	10	26	240	16.40	4,526	3,936
1981	275	19	17	21	237	16.10	4,428	3,816
1982	319	17	16	30	273	9.80	3,126	2,675

1/ Data for 1983 crop disposition not available at time of publication.

UNITED STATES PRODUCTION AND PER CAPITA CONSUMPTION OF POTATOES, 1967-1982

Year	Production	Per capita consumption						
		Total fresh and processed	Fresh	Processed 1/				
				Total	Canned 2/	Frozen	Chips and shoe-strings	Dehy-drated
	Million cwt.	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1967	305.8	108.1	62.1	46.0	1.7	19.0	16.9	8.4
1968	295.4	115.0	65.7	49.3	1.9	21.2	17.1	9.1
1969	312.6	116.6	61.3	55.3	2.0	24.6	17.7	11.0
1970	325.7	116.3	57.3	59.0	2.0	27.7	17.6	11.7
1971	319.3	117.7	56.0	61.7	2.1	30.2	17.3	12.1
1972	296.4	118.4	56.6	61.8	2.1	30.5	16.9	12.3
1973	300.0	115.5	51.1	64.4	2.3	32.9	16.5	12.7
1974	342.4	112.8	47.4	65.4	2.3	32.7	16.0	14.4
1975	322.0	120.2	53.8	66.4	2.0	34.3	15.7	14.4
1976	357.7	114.8	50.5	64.3	1.9	36.4	16.0	10.0
1977	355.3	120.0	53.6	66.4	2.2	36.5	16.6	11.1
1978	366.3	120.8	51.5	69.3	2.2	38.8	17.0	11.3
1979	342.5	124.0	59.0	65.0	2.1	35.4	17.1	10.4
1980	302.9	117.4	55.8	61.6	1.9	33.7	16.9	9.1
1981	338.6	112.9	47.2	65.4	1.8	36.3	17.0	10.3
1982 3/.....	351.8	114.4	48.6	65.3	1.8	36.2	17.4	9.9

1/ Fresh-weight basis.
2/ Includes potatoes canned in soups, stews and other combinations.
3/ Preliminary.

SOURCE: 1960-81 Food Consumption Prices and expenditures, U.S.D.A., Economic Research Service.

THE WEATHER

January : Temperatures in January averaged from 1 to 3 degrees above normal. The highest daily temperature was 61 degrees at Hammonton and Millville and the lowest was minus 5 degrees at High Point. Precipitation totals were above normal in the north and below normal in the south, with the extreme being 1.58 inches at Shiloh and 5.87 inches at Essex Fells. Long Valley received the greatest amount of snow with 10.0 inches.

February : Temperatures for February were again 1 to 3 degrees above normal. The extremes were 62 degrees at Newark and minus 10 degrees at Sussex. Precipitation totals for the month were generally below normal ranging from 1.76 inches at Sandy Hook to 4.20 inches at Charlotteburg. A snowstorm on February 11th to 12th produced from 10 to 24 inches of snow across the state.

March : March continued the trend of above normal temperatures with monthly averages from 2 to 4 degrees above normal. Temperature extremes were 72 degrees at Atlantic City and 8 degrees at Toms River. Precipitation totals ranged from 6 to 11 inches which is well above normal. The highest snowfall totals were only an inch at a few locations.

April : April was a cool wet month. Temperatures averaged 1 to 2 degrees below normal while precipitation was 4 to 7 inches above normal. Temperatures ranged from 90 degrees at Indian Mills to 23 degrees at Sussex and Newton. The least precipitation fell at Atlantic City with 5.17 inches and the most occurred at High Point with 11.62 inches. A snowstorm on April 19th to 20th produced from 1 inch of snow in the south to 10 inches in the north.

May : For the second straight month temperatures were below normal and precipitation was above normal. The extremes in temperature ranged from 86 degrees in Freehold to 28 degrees at numerous locations, while precipitation varied from 3.75 inches at Atlantic City to 8.18 inches at Moorestown.

June : This month featured temperatures that ranged from slightly below to slightly above normal. The extremes were 99 degrees at Moorestown and 38 degrees at Newton. Precipitation totals for the month varied from sightly below normal to well above, with the greatest occurring at Hammonton with 7.30 inches and the least at Jersey City with 2.08 inches.

July : Temperatures were 1 to 3 degrees above normal across the state and precipitation was 1 to 4 inches below normal. Temperature extremes were 102 degrees at Moorestown and 44 degrees at Sussex and Newton. Rainfall totals ranged from 0.26 inches at Hammonton to 5.80 inches at Charlotteburg. The heaviest 24 hour total was 3.10 inches at Charlotteburg on the 20th.

August : August featured the second month in a row with hot and dry conditions. Extremes were 102 degrees at Atlantic City and 43 degrees at Essex Fells. Precipitation amounts ranged from 1.30 inches at Hammonton to 6.27 inches at Long Valley. Most of the precipitation that fell was recorded from 2 events on the 12th and 29th, with very little in between.

September : September was the third straight month with above normal temperature and below normal precipitation. Hammonton recorded the highest temperature of 102 degrees while High Point had the lowest with 28 degrees. Precipitation totals ranged from 1 to 3 inches below normal. Hammonton had 11 days with 90 degrees or higher making for a three month total of 38 days of 90 degrees.

October : Temperatures returned to near normal with extremes of 87 degrees at Indian Mills and 19 degrees at Newton and Sussex. Precipitation was 1 to 3 inches above normal at most locations, ranging from 2.77 inches at Tuckerton to 7.13 inches at Canoe Brook. The heaviest 24 hour total was 2.55 inches at Flemington on the 24th.

November : November was a warm and wet month. Temperatures were 1 to 2 degrees above normal with extremes of 71 degrees at Indian Mills and 17 degrees at Charlotteburg. Precipitation totals were 1 to 3 inches above normal ranging from 4.47 inches at Jersey City to 7.40 inches at Pemberton. Several inches of snow were recorded at numerous northern locations on the 25th to 26th.

December : December was very wet and very cold. Temperatures averaged 2 to 3 degrees below normal at most locations. Extremes ranged from 64 degrees at Woodstown to minus 11 at Charlotteburg and Newton. Precipitation totals were to 1 to 2 inches above normal in the south but 4 to 6 inches above normal in the north. The heaviest 24 hour total occurred at Little Falls where 3.64 inches fell on the 13th. Snowfall totals ranged from 3 to 7 inches mainly in the northern half of the state.

Keith R Arnesen
Agricultural Meteorologist

SOURCE: Department of Meteorology and Physical Oceanography, Cook College, Rutgers University.

THE WEATHER

The weather for 1983 growing season was overall very poor. Conditions in the Spring and early Summer were very wet and cool and resulted in delayed planting schedules and crops with lazy roots. By July the pattern reversed and turned hot and dry into September with substantial irrigation required. Precipitation from March through October (Figure 1) was deceptively above the 30 year normal (Figure 2) accross the entire State. Rainfall during the crucial period of May to September (Figure 3) showed totals varying from above to below the 30 year normals (Figure 4). Heavy precipitation during May and June biased totals for the period, helping to conceal the extreme September period.

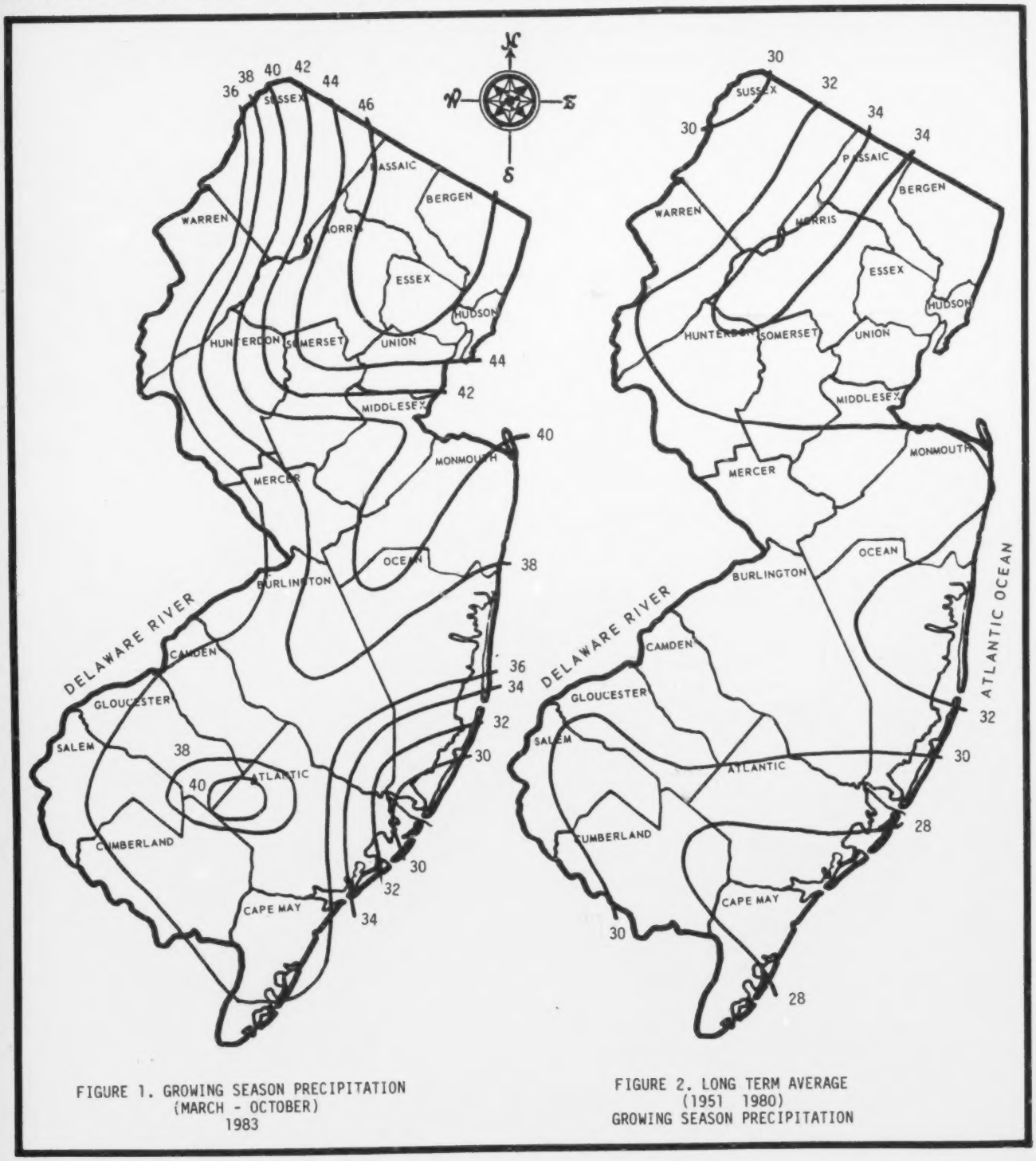
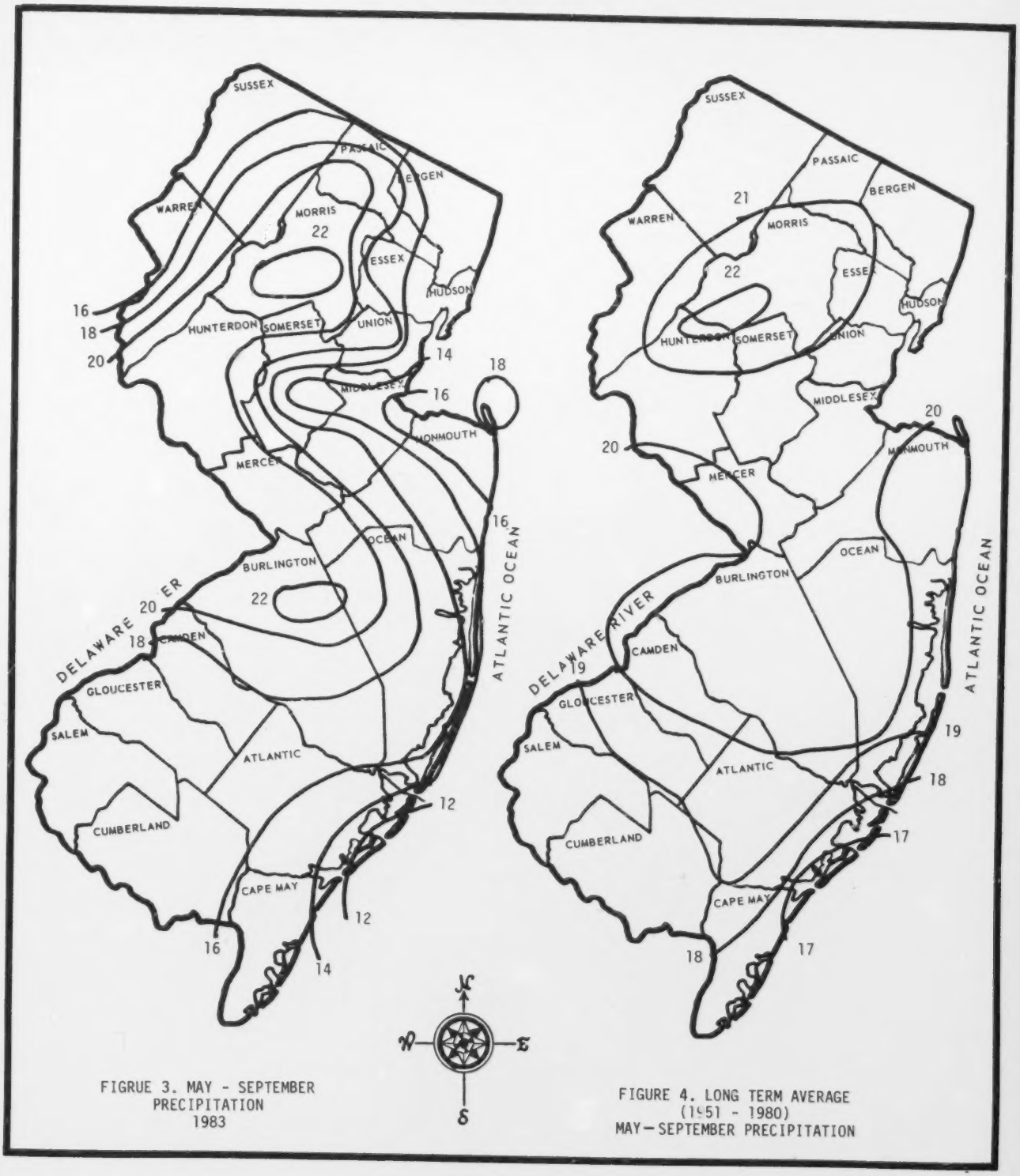


FIGURE 1. GROWING SEASON PRECIPITATION
(MARCH - OCTOBER)
1983

FIGURE 2. LONG TERM AVERAGE
(1951 1980)
GROWING SEASON PRECIPITATION

NEW JERSEY



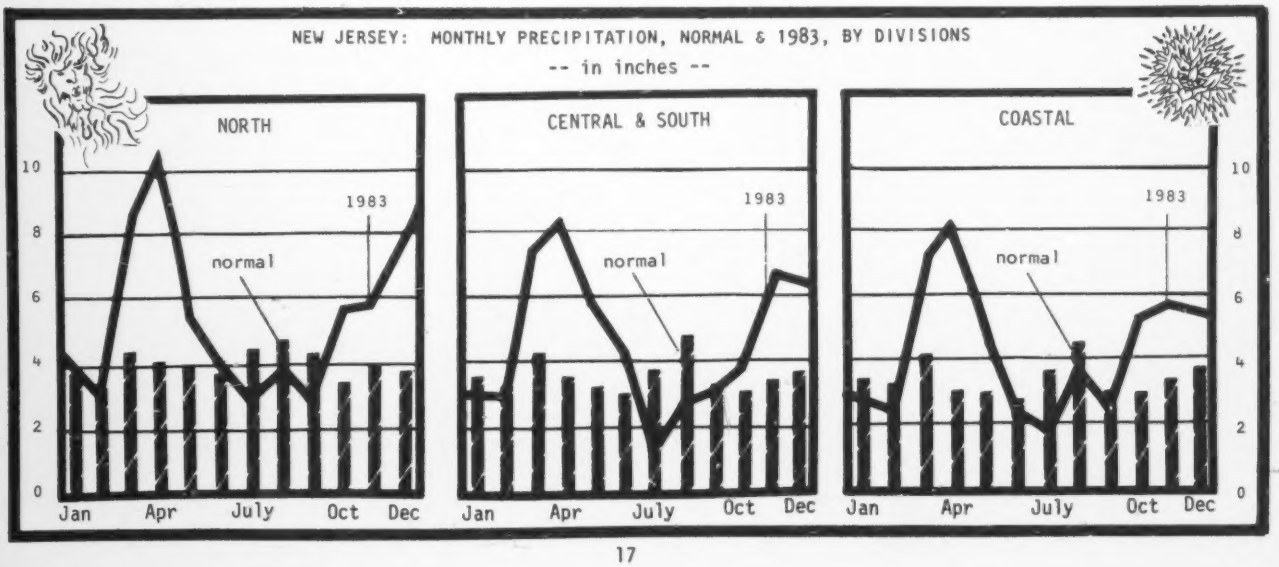
FIGRUE 3. MAY - SEPTEMBER
PRECIPITATION
1983

FIGURE 4. LONG TERM AVERAGE
(1951 - 1980)
MAY – SEPTEMBER PRECIPITATION

NEW JERSEY: TOTAL MONTHLY AND ANNUAL PRECIPITATION AT SELECTED STATIONS AND BY STATE DIVISIONS, 1983

Division, county and station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	Change from normal
						-- inches --								
NORTH DIVISION:	4.19	3.06	8.44	10.37	5.42	3.82	2.72	3.34	2.56	5.73	5.87	8.78	64.30	N/A
Essex, Newark	4.37	3.03	11.14	11.14	4.22	2.81	1.59	3.46	2.93	5.80	5.54	9.47	65.50	23.16
Canoe Brook	4.96	3.10	9.61	11.38	4.90	5.79	1.76	3.72	2.22	7.13	5.93	10.87	71.37	22.75
Hunterdon, Lambertville	3.52	3.24	7.95	9.61	4.83	3.07	1.57	1.83	3.07	5.16	5.63	8.35	57.83	13.70
Flemington	4.33	2.72	7.84	10.41	5.82	4.56	3.15	--	--	6.57	6.88	8.95	--	--
Morris, Boonton	4.50	3.00	8.39	10.75	6.31	3.43	2.81	2.81	3.27	5.40	5.84	9.24	65.75	17.90
Morris Plains	4.45	2.11	8.88	10.56	7.68	3.30	3.55	5.08	3.02	6.20	6.00	10.27	71.10	21.18
Passaic, Little Falls	4.66	3.05	10.47	11.54	4.61	3.75	3.27	3.34	2.22	--	--	10.77	--	--
Somerset, Somerville	3.97	2.93	6.92	9.14	6.02	2.66	1.32	1.96	2.42	6.13	5.35	7.91	56.73	11.37
Sussex, Newton	3.18	2.62	6.50	8.88	4.25	5.37	2.33	4.16	2.37	4.49	5.07	6.95	56.17	12.14
Sussex	3.01	3.78	6.73	10.00	5.34	3.88	2.54	2.63	1.73	4.73	4.96	6.16	55.49	10.10
Union, Plainfield	3.95	2.35	8.41	9.13	4.83	4.94	3.09	2.73	2.93	5.56	6.44	9.89	64.25	15.49
Warren, Belvidere	3.47	2.83	5.76	9.98	4.00	3.03	2.78	2.21	1.97	5.61	5.87	M7.20	M54.71	9.12
CENTRAL & SOUTH DIVISION:	2.74	2.76	7.31	8.06	5.90	4.35	1.34	2.77	3.06	3.86	6.79	6.23	55.17	N/A
Burlington, Indian Mills	2.46	2.89	8.79	8.76	6.10	5.67	.55	2.64	3.68	3.24	7.26	6.21	58.25	13.24
Pemberton	2.40	2.99	8.19	6.67	6.46	4.75	2.08	4.82	3.76	4.71	7.40	6.25	60.48	14.69
Mercer, Hightstown	3.14	2.55	8.01	8.27	6.20	4.05	2.34	4.30	3.24	4.64	6.13	7.75	60.62	16.23
Trenton	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Middlesex, New Brunswick	4.28	2.28	8.53	9.01	5.13	3.15	1.72	3.10	2.83	4.96	6.42	9.91	61.32	15.82
Monmouth, Freehold	3.93	1.91	8.54	8.39	2.91	2.97	1.81	6.78	3.68	4.77	5.57	7.33	58.84	12.95
Ocean, Toms River	3.11	3.60	6.39	8.33	4.70	3.68	2.07	3.28	3.06	4.85	8.27	6.08	57.42	9.74
Atlantic, Hammonton	2.49	2.00	8.39	8.20	4.73	7.30	.26	1.30	2.92	3.81	7.10	5.88	54.22	9.31
Atlantic City, Airport	2.46	3.32	5.85	7.45	5.21	3.01	.51	2.90	2.22	3.48	6.70	5.06	48.17	6.24
Camden, Audubon	2.54	2.13	7.03	8.86	7.43	3.90	.41	1.57	3.20	3.10	6.73	6.69	53.59	8.24
Cape May, Belleplain	2.79	4.14	7.21	9.50	4.61	4.16	.43	3.41	2.99	4.82	6.76	4.77	55.59	10.37
Cumberland, Millville	2.03	3.19	6.99	7.63	7.43	2.82	.74	1.73	3.60	3.48	7.11	5.45	52.20	9.25
Shiloh	1.58	2.65	5.98	6.39	6.55	6.41	1.41	2.03	2.81	3.10	6.18	4.56	49.65	8.64
Gloucester, Glassboro	2.58	2.29	7.97	8.26	6.56	5.45	.57	1.57	3.01	3.56	6.97	6.66	55.45	10.61
Salem, Woodstown	2.82	2.15	7.04	8.19	7.20	4.75	1.26	2.21	2.27	3.04	7.16	6.78	54.87	12.06
COASTAL DIVISION:	3.38	2.97	7.22	8.06	4.54	2.89	1.68	3.58	2.69	5.06	5.31	5.11	52.49	N/A
Atlantic City	2.22	2.82	5.63	5.17	3.75	2.50	.71	2.43	1.88	3.41	6.64	3.47	40.63	.57
Cape May	2.27	2.88	6.33	8.25	4.09	3.21	.70	3.80	2.56	--	5.12	4.27	--	N/A
Long Branch	5.15	4.42	8.48	9.81	4.66	3.01	2.70	4.23	2.65	6.19	5.63	5.87	62.80	15.88
						-- departure from normal (inches) --								
DIVISIONS:														
North	.74	.00	4.21	6.33	1.56	.08	-1.51	-1.43	-1.57	2.14	1.88	4.93		N/A
Central and South	- .67	- .39	-3.20	4.46	2.42	.96	-2.99	-1.99	- .46	.51	3.12	2.42		N/A
Coastal	- .02	- .32	3.15	4.67	1.22	-.14	-2.04	-1.03	- .55	1.87	1.77	1.26		N/A

SOURCE: NOAA Weather Bureau. N/A - Not Available at Publication.
M - One or more days record missing; if total is entered, less than 10 days record is missing.



NEW JERSEY: AVERAGE MONTHLY AND ANNUAL TEMPERATURE AT SELECTED STATIONS AND BY STATE DIVISION, 1983

Division, county and station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	Change from normal
						-- degrees --								
NORTH DIVISION:	29.5	31.5	41.1	48.0	57.7	68.8	75.2	73.5	65.9	53.1	43.6	30.0	51.5	N/A
Essex, Newark	35.0	35.9	44.7	52.2	60.8	73.5	79.6	77.6	70.6	57.8	47.8	34.2	55.8	1.6
Canoe Brook	29.6	30.9	41.7	48.4	58.3	69.6	75.0	74.3	66.8	53.4	44.1	29.5	51.8	1.2
Hunterdon, Flemington	30.4	32.4	41.9	48.2	58.5	68.8	76.2	M	M	53.8	44.0	29.9M	M	--
Morris, Morris Plains	29.7	31.9	41.3	47.9	57.1	68.0	74.4	72.7	64.9	52.4	43.3	30.0	51.1	0.8
Passaic, Little Falls	30.2	32.3	42.0	48.7	58.7	70.3	76.6	75.0	67.5	M	M	31.0	M	--
Somerset, Somerville	29.6	31.8	41.6	48.2	58.4	68.9	75.0	74.7	66.5	53.3	43.6	30.2	51.8	0.1
Sussex, Newton	26.1	27.9	38.7	45.9	55.3	66.7	71.7	71.3	62.2	50.0	40.7	26.8	48.6	0.2
Sussex	26.1	28.4	39.1	46.4	55.8	67.5	72.2	71.4	62.9	50.4	40.8	26.9	49.0	0.9
Union, Plainfield	31.6	34.1	43.3	50.6M	59.8	71.0M	77.5	76.2	69.1M	56.0	46.3M	32.8M	54.0M	1.1
Warren, Belvidere	29.0	30.3	40.5	46.1	56.4	67.3	72.9	73.2	64.0	52.0	42.6	29.4	50.3	-0.2
CENTRAL & SOUTH DIVISION:	33.8	34.2	43.8	51.0	60.5	70.9	77.4	76.0	68.5	56.6	47.1	34.1	54.5	N/A
Burlington, Indian Mills	33.3	33.6	43.6	51.3	60.8	70.8	77.3	75.7	67.7	56.0	46.7	33.9	54.2	1.4
Pemberton	33.5	33.1	42.8	50.7	60.4	69.8	75.7	74.8	67.4	55.9	46.7	34.2	53.8	0.5
Mercer, Hightstown	32.0	32.8	42.6	49.6	59.6	69.6	75.9	75.1	67.0	54.9	45.8	32.6	53.1	0.3
Trenton	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Middlesex, New Brunswick	31.4	32.8	42.7	49.4	59.0	69.9	76.4	75.3	67.7	54.9	45.6	32.3	53.1	0.3
Monmouth, Freehold	32.7	32.5	42.0	49.8	60.3	70.7	76.0	74.8	67.6	55.8	46.6	32.9	53.4	0.7
Ocean, Toms River	33.3	34.5	41.9	49.7	60.1	70.3	76.0	74.4	67.6	55.8	45.6	34.0	53.6	N/A
Atlantic, Hammonton	34.8	34.5	43.6	51.4M	61.2	71.2	77.9	76.7	69.1	56.2	47.7	34.8	54.9	1.0
Camden, Audubon	34.8	35.7	45.0	52.3	61.5	72.2	78.6	77.6	70.1	57.7	47.9	34.5	55.7	N/A
Cape May, Belleplain	34.9M	35.5	43.7	51.9	60.1M	70.5M	M	75.2	67.5	57.6M	48.4	35.6	M	--
Cumberland, Millville	35.1	35.1	44.6	51.7	60.8	71.6	78.1	76.7	69.1	57.4	48.4	34.8	55.3	1.3
Gloucester, Glassboro	34.4	33.6	44.0	50.8	61.1	71.4	77.5	77.7	69.3	56.8	47.0	33.6M	54.8	0.9
Salem, Woodstown	34.4	33.8	44.5	52.7	62.0	71.9	78.1	77.4	69.6	57.8	47.6	34.8	55.4	N/A
COASTAL DIVISION:	34.5	35.5	43.8	49.7	57.7	68.9	76.3	74.5	69.1	57.2	48.2	35.5	54.2	N/A
Atlantic City	34.7	39.0	46.0	51.3	59.0	67.5	76.0	74.6	68.7	57.6	48.3	35.4	54.8	.7
Cape May	36.4	36.0	44.8	50.4	59.0	69.5	77.5	74.8	69.1	M	49.9	36.8	M	--
Long Branch	31.6	32.5	40.9	46.9	53.7	67.0	73.6	72.1	66.9	55.3	45.5	33.5	51.6	-1.3
						-- departure from normal (degrees) --								
DIVISIONS:														
North	1.6	1.9	2.7	-1.7	-1.7	.4	2.0	1.8	1.4	- .4	.4	-2.1		N/A
Central and South	2.3	1.1	2.4	- .8	-1.0	.5	2.2	2.1	1.3	.6	1.2	-1.5		N/A
Coastal	1.3	1.2	2.6	-1.2	-2.3	- .2	1.7	.5	1.0	- .6	.5	-2.2		N/A

SOURCE: NOAA Weather Bureau. N/A - Not available at publication.
M - One or more days record missing; if average value is entered, less than 10 days record is missing.

NEW JERSEY: AVERAGE DATES OF LAST OCCURRENCE IN SPRING AND FIRST OCCURRENCE IN FALL OF 32 , 28 , AND 24 AND AVERAGE LENGTHS OF FREEZE-FREE PERIOD, SELECTED STATIONS 1/

County	Station	Years of record 2/	Average dates of last occurrence in spring of: 32	28	24	Average dates of first occurrence in fall of: 32	28	24	Average number of days between dates for 32
Sussex	Sussex	28	May 6	Apr. 23	Apr. 1	Oct. 5	Oct. 17	Oct. 30	152
Warren	Belvidere	30	Apr. 26	Apr. 12	Mar. 23	Oct. 13	Oct. 27	Nov. 14	170
Morris	Boonton	30	Apr. 28	Apr. 13	Mar. 26	Oct. 9	Oct. 22	Nov. 7	164
Hunterdon	Flemington	30	Apr. 29	Apr. 16	Mar. 30	Oct. 13	Oct. 23	Nov. 9	167
Middlesex	New Brunswick	30	Apr. 18	Apr. 4	Mar. 21	Oct. 19	Nov. 3	Nov. 18	184
Monmouth	Freehold	29	Apr. 23	Apr. 7	Mar. 24	Oct. 18	Nov. 2	Nov. 17	178
Mercer	Trenton	30	Apr. 4	Mar. 26	Mar. 14	Nov. 8	Nov. 21	Nov. 30	218
Burlington	Pemberton	30	Apr. 24	Apr. 8	Mar. 23	Oct. 15	Oct. 29	Nov. 15	174
Gloucester	Clayton	10	Apr. 12	Mar. 25	Mar. 20	Oct. 29	Nov. 7	Nov. 14	200
Atlantic	Hammonton	28	Apr. 21	Apr. 6	Mar. 21	Oct. 16	Oct. 31	Nov. 17	178
Cumberland	Shiloh	27	Apr. 15	Mar. 30	Mar. 19	Oct. 25	Nov. 9	Nov. 25	193
Cape May	Cape May	19	Mar. 31	Mar. 19	Mar. 5	Nov. 17	Nov. 30	Dec. 9	231

1/ For the period 1931-1960 or that portion of this period for which data are available.
2/ Minimum number of years included in spring or fall averages.

SOURCE: U.S. Department of Commerce, Climate of the States, New Jersey, revised March 1967.

VEGETABLE CROP SUMMARY

Principal fresh market and processing vegetable crops in the Garden State were valued at $80.4 million in 1983, down 17 percent from 1982. The eleven fresh market vegetables were valued at $70.9 million compared to $80.4 million in 1982, down 12 percent. Principal vegetables for processing were valued at $8.0 million, off 44 percent from 1982. Other vegetables, not published separately to avoid disclosing individual operations, amounted to $1.4 million, down 31 percent from the previous year.

Fresh market vegetables gross value per acre averaged $1,778 in 1983 compared to $1,945 in 1982. Processing vegetables grossed $754 per acre in 1983 and $962 per acre in 1982. Area harvested for the principal fresh market and processing vegetables in 1983 amounted to 51,750 acres, 10 percent below the 57,650 acres for harvest in 1982 and 8 percent less than 1981. Combined production for both fresh market and processing crops was 294,860 tons, 22 percent below 1982 and 18 percent less than 1981.

In New Jersey 11,500 acres of sweet corn were harvested in 1983. This was an increase of 20 percent from 1982. Production during 1983 amounted to 805,000 hundredweight compared to 710,000 hundredweight the previous year. Yield per acre averaged 70 hundredweight compared to 74 hundredweight in 1982. During 1983 the price for corn averaged $13.40 per hundredweight, up $1.10 from 1982. This combined with the increase in production resulted in a 24 percent increase in value of production to $10.8 million.

Garden State lettuce harvest amounted to 2,900 acres in 1983, unchanged from the previous year. Production totaled 484,000 hundredweight, 16 percent below 1982. This was the result of poorer yields per acre. Prices for lettuce improved from the previous year more than enough to offset the decrease in production as value of production increased to $7.1 million, up 13 percent from 1982.

New Jersey fresh market tomato harvest totaled 5,700 acres in 1983, down 900 acres from the preceding year. Yields were also lower, averaging 95 hundredweight per acre compared with 120 hundredweight in 1982. Production amounted to 542,000 hundrdweight, down 32 percent from a year earlier. Prices were also lower averaging $23.10 per hundredweight compared to $31.80 a year earlier. Value of production, at $12.5 million, dropped to half of what it was in 1982.

Ranking fresh market vegetable crops by value of production indicated tomatoes were first with $12.5 million, off 50 percent from 1982. Sweet corn ranked second with $10.8 million, up 24 percent from the previous year. Peppers were a close third at $10.3 million, down 3 percent from a year earlier, Cabbage placed fourth with $9.3 million, up 32 percent from 1982. Lettuce ranked fifth with $7.1 million, up 13 percent.

NEW JERSEY: VEGETABLE CROPS, 1980-1983

Year	Acres harvested	Yield per acre (cwt.)	Production (thou. cwt.)	Season average price per cwt. (dollars)	Value	
					Total (thou. dol.)	Per acre (dollars)
ASPARAGUS, Jan. - June, fresh market and processing						
1980	1,500	15	23	85.30	1,962	1,308
1981	1,500	19	29	78.50	2,277	1,518
1982	1,500	21	32	82.40	2,637	1,758
1983	1,400	17	24	79.60	1,910	1,364
CABBAGE, Jan. - June, fresh market						
1980	700	220	154	12.50	1,925	2,750
1981	700	220	154	6.76	1,041	1,487
1982	500	240	120	13.40	1,608	3,216
1983	400	250	100	11.00	1,100	2,750
CABBAGE, July - Dec., fresh market						
1980	3,100	210	651	9.56	6,222	2,007
1981	2,700	260	702	6.89	4,837	1,791
1982	2,700	270	729	7.50	5,468	2,025
1983	2,800	245	686	12.00	8,232	2,940
CUCUMBERS, July - Dec., fresh market						
1980	1,700	150	255	15.70	4,004	2,355
1981	1,700	155	264	14.70	3,881	2,283
1982	1,800	160	288	17.10	4,925	2,736
1983	1,700	150	255	15.50	3,953	2,325
EGGPLANT, July - Dec., fresh market						
1980	1,000	150	150	14.10	2,115	2,115
1981	1,100	190	209	15.10	3,156	2,869
1982	1,100	180	198	13.60	2,693	2,448
1983	1,000	150	150	16.30	2,445	2,445
ESCAROLE, Jan. - June, fresh market						
1980	290	190	55	18.10	996	3,434
1981	450	200	90	17.20	1,548	3,440
1982	300	150	45	24.00	1,080	3,600
1983	250	195	49	28.40	1,392	5,568
ESCAROLE, July - Dec., fresh market						
1980	660	185	122	17.30	2,111	3,198
1981	700	190	133	19.30	2,567	3,667
1982	650	185	120	15.00	1,800	2,769
1983	650	165	107	23.00	2,461	3,786
LETTUCE, Jan. - June, fresh market						
1980	1,300	185	241	9.66	2,328	1,791
1981	1,200	195	234	10.30	2,410	2,008
1982	1,600	150	240	11.30	2,712	1,695
1983	1,600	140	224	17.40	3,898	2,436
LETTUCE, July - Dec., fresh market						
1980	1,300	210	273	9.65	2,635	2,027
1981	1,700	240	408	12.10	4,937	2,904
1982	1,300	260	338	10.50	3,549	2,730
1983	1,300	200	260	12.30	3,198	2,460

NEW JERSEY: VEGETABLE CROPS, 1980-1983

Year	Acres harvested	Yield per acre (cwt.) 1/	Production (thou. cwt.) 1/	Season average price per cwt. 1/ (dollars)	Value	
					Total (thou. dol.)	Per acre (dollars)
PEPPERS, July - Dec., fresh market and processing						
1980	6,700	71	475	16.40	7,792	1,163
1981	6,500	65	423	18.20	7,685	1,182
1982	6,600	75	495	21.50	10,643	1,613
1983	6,500	72	468	22.00	10,296	1,584
SNAP BEANS, Jan. - June, fresh market						
1980	900	40	36	28.10	1,012	1,124
1981	1,000	40	40	21.80	872	872
1982	800	38	30	33.20	996	1,245
1983	600	45	27	21.20	572	953
SNAP BEANS, July - Dec., fresh market						
1980	5,800	30	176	21.80	3,841	662
1981	3,800	52	198	26.70	5,287	1,391
1982	4,400	45	198	22.90	4,534	1,030
1983	2,600	39	101	31.00	3,131	1,204
SWEET CORN, July - Dec., fresh market						
1980	9,500	73	694	12.10	8,397	884
1981	10,100	78	788	12.40	9,771	967
1982	9,600	74	710	12.30	8,733	910
1983	11,500	70	805	13.40	10,787	938
SPINACH, Jan. - June, fresh market						
1980	700	77	54	24.10	1,301	1,859
1981	1,200	70	84	18.90	1,588	1,323
1982	1,200	72	86	27.80	2,391	1,993
1983	1,200	72	86	37.90	3,259	2,716
SPINACH, July - Dec., fresh market						
1980	600	74	44	27.60	1,214	2,023
1981	700	75	53	29.20	1,548	2,211
1982	700	90	63	23.40	1,474	2,106
1983	700	80	56	32.00	1,792	2,560
TOMATOES, July - Dec., fresh market						
1980	6,500	83	540	17.90	9,666	1,487
1981	6,600	105	693	29.70	20,582	3,118
1982	6,600	120	792	31.80	25,186	3,816
1983	5,700	95	542	23.10	12,520	2,196

1/ Yield per acre, production and season average price of cucumbers for pickles in tons; all other crops in hundredweight.

NEW JERSEY: VEGETABLE CROPS, 1980-1983

Year	Acres harvested	Yield per acre (cwt.) 1/	Production (thou. cwt.) 1/	Season average price per cwt. 1/ (dollars)	Value	
					Total (thou. dol.)	Per acre (dollars)
SNAP BEANS, for processing						
1980	6,400	2.6	16.9	191.00	3,228	504
1981	7,400	2.8	20.5	205.00	4,203	568
1982	9,300	2.7	24.7	202.00	4,997	537
1983	6,200	1.8	11.3	200.00	2,256	364
TOMATOES, for processing						
1980	5,400	11.5	62.0	74.20	4,600	852
1981	5,400	18.0	97.0	86.60	8,398	1,555
1982	5,600	19.1	106.8	87.40	9,333	1,667
1983	4,400	15.7	69.1	83.00	5,734	1,303

1/ Yield per acre, production and season average price of snap beans for processing and tomatoes for processing in tons.

NEW JERSEY: PRINCIPAL VEGETABLES, ACREAGE, PRODUCTION AND VALUE, 1970-1983

Year	Acres harvested			Production (tons)			Value (thousand dollars)		
	for fresh market	for processing	Total	for fresh market	for processing	Total	for fresh market	for processing	Total
1970	62,260	34,710	96,970	267,250	333,150	600,400	37,056	17,209	54,265
1971	60,780	33,120	93,900	249,900	264,550	514,450	38,874	14,091	52,965
1972	59,600	30,390	89,990	235,200	221,000	456,200	40,915	12,956	53,871
1973	55,880	32,050	87,930	240,950	222,950	463,900	49,177	14,396	63,573
1974	51,510	34,100	85,610	243,350	291,300	534,650	48,423	28,078	76,501
1975	47,740	27,570	75,310	217,300	210,750	428,050	48,435	17,748	66,183
1976	49,330	14,300	63,630	226,200	214,050	440,250	52,231	13,962	66,193
1977	48,430	14,800	63,230	219,350	163,450	382,800	56,119	10,694	66,813
1978	43,250	19,050	62,300	198,500	139,550	338,050	57,529	10,136	67,665
1979	44,990	16,600	61,590	196,650	133,610	330,260	61,905	10,800	72,705
1980	43,830	14,460	58,290	202,800	103,270	306,070	60,769	8,765	69,534
1981	43,200	15,290	58,490	232,450	146,690	379,140	78,539	13,323	91,862
1982	41,350	14,900	57,650 1/	224,200	131,530	376,230 1/	80,429	14,330	96,861 1/
1983	39,900	10,600	51,750 1/	197,000	80,360	288,460 1/	70,946	7,990	80,382 1/

1/ Totals include vegetable crops not published in fresh market or processing tallies in order to avoid disclosing individual operations.

NEW JERSEY: MUSHROOMS, AREA, PRODUCTION AND VALUE, 1977-1984 1/

Year	Area in production (thou. sq. ft.)				Production (thou. lbs.)	Price per pound (dollars)	Value of production (thou. dol.)
	First filling	Second filling	Additional fillings	Total			
1977-78	142	80	43	265	610	.666	406
1978-79	167	121	53	341	699	.652	456
1979-80	132	90	64	286	613	.537	329
1980-81	133	119	46	298	691	.621	429
1981-82	146	82	2	230	586	.502	294
1982-83	101	79	16	196	586	.628	368
1983-84	101	86	28	215	592	.606	359

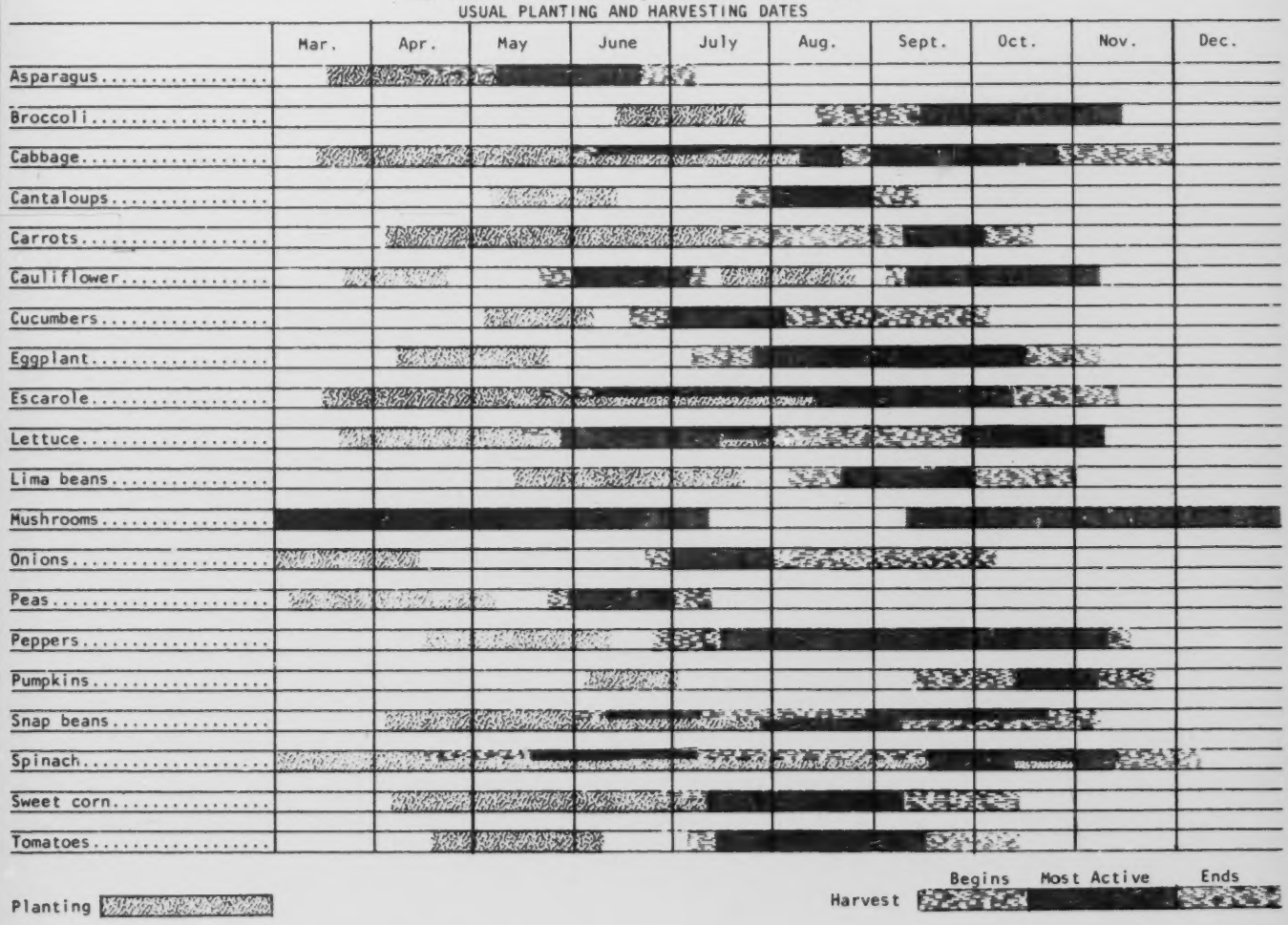
1/ Production estimated on a fiscal year, July 1 through June 30.

NEW JERSEY: TOMATOES, FRESH MARKET AND PROCESSING, BY COUNTIES, 1982-1983

County	Acres harvested					
	Fresh market	Processing	Total	Fresh market	Processing	Total
		1982			1983	
NORTH DISTRICT:						
Hunterdon	250	--	250	250	--	250
Sussex	200	--	200	200	--	200
CENTRAL DISTRICT:						
Burlington	450	250	700	400	250	650
Monmouth	550	--	550	500	--	500
SOUTH DISTRICT:						
Atlantic	400	300	700	350	350	700
Cumberland	450	950	1,400	400	1,000	1,400
Gloucester	2,100	1,500	3,600	1,700	1,100	2,800
Salem	1,000	2,500	3,500	800	1,600	2,400
Other counties	1,200	100	1,300	1,100	100	1,200
STATE	6,600	5,600	12,200	5,700	4,400	10,100

1/ Included with other counties to avoid disclosure of individual operations.

NEW JERSEY: VEGETABLES, FRESH AND PROCESSING
USUAL PLANTING AND HARVESTING DATES



NEW JERSEY: ASPARAGUS, CABBAGE AND LETTUCE FOR FRESH MARKET, BY COUNTIES, 1982-1983

County	Acres harvested					
	1982	1983	1982	1983	1982	1983
	Asparagus 1/		Cabbage		Lettuce	
NORTH DISTRICT:						
Morris	----	----	50	50	50	50
Warren	----	----	150	150	150	150
CENTRAL DISTRICT:						
Burlington	150	150	150	150	----	----
Middlesex	----	----	150	150	----	----
Monmouth	----	----	500	550	100	100
SOUTH DISTRICT:						
Atlantic	----	----	500	500	300	300
Camden	100	----	50	50	----	----
Cumberland	200	150	1,000	900	1,950	1,900
Gloucester	550	600	200	200	150	200
Salem	400	350	250	250	150	150
Other counties	100	150	250	250	50	50
STATE	1,500	1,400	3,250	3,200	2,900	2,900

1/ Includes fresh market and processing.

NEW JERSEY: SWEET CORN AND PEPPERS FOR FRESH MARKET, BY COUNTIES, 1982-1983

County	Acres harvested			
	1982	1983	1982	1983
	Sweet Corn		Peppers	
NORTH DISTRICT:				
Bergen	100	100	----	----
Essex	100	100	----	----
Hunterdon	350	300	----	----
Morris	400	600	----	----
Somserset	200	250	----	----
Sussex	500	600	----	----
Warren	650	600	----	----
CENTRAL DISTRICT:				
Burlington	2,400	3,000	100	100
Mercer	300	250	----	----
Middlesex	250	300	----	----
Monmouth	950	1,200	500	500
Ocean	300	250	----	----
SOUTH DISTRICT:				
Atlantic	600	600	600	600
Camden	600	800	200	200
Cape May	300	400	----	----
Cumberland	400	350	1,500	1,600
Gloucester	700	800	1,800	1,700
Salem	500	1,000	1,600	1,500
Other counties	----	----	300	300
STATE	9,600	11,500	6,600	6,500

NEW JERSEY: MONTHLY UNLOADS OF MARKET VEGETABLES AT 22 U.S. CITIES, 1981-1983 1/

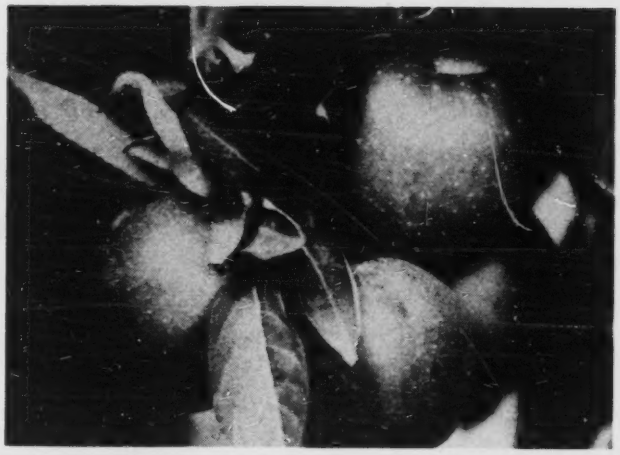
Crop and year 2/	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Season totals
						-- 1,000 cwt. --							
ASPARAGUS:													
1981-82	--	3	1	--	--	--	--	--	--	--	--	--	4
1982-83	--	2	2	--	--	--	--	--	--	--	--	--	4
1983-84	--	2	1	--	--	--	--	--	--	--	--	--	3
BEANS, all:													
1981-82	--	--	13	29	18	26	11	--	--	--	--	--	97
1982-83	--	--	10	28	19	23	12	--	--	--	--	--	92
1983-84	--	--	2	15	14	16	4	--	--	--	--	--	51
BEETS:													
1981-82	--	--	4	2	2	2	2	2	1	--	--	--	15
1982-83	--	--	3	2	1	1	2	2	1	--	--	--	12
1983-84	--	--	4	2	2	2	2	2	1	--	--	--	15
BROCCOLI:													
1981-82	--	--	--	1	--	1	2	1	--	--	--	--	5
1982-83	--	--	--	--	--	1	3	1	--	--	--	--	5
1983-84	--	--	--	--	--	--	3	1	--	--	--	--	4
CABBAGE:													
1981-82	--	1	67	79	37	42	40	34	13	--	--	--	313
1982-83	--	--	50	66	47	39	39	43	12	--	--	--	296
1983-84	--	--	25	70	47	42	46	36	7	--	--	--	273
CANTALOUPS:													
1981-82	--	--	--	19	16	--	--	--	--	--	--	--	35
1982-83	--	--	--	9	21	2	--	--	--	--	--	--	32
1983-84	--	--	--	6	22	1	--	--	--	--	--	--	29
CELERY:													
1981-82	--	--	--	--	2	--	--	--	--	--	--	--	2
1982-83	--	--	--	1	--	--	--	--	--	--	--	--	1
1983-84	--	--	--	--	2	1	--	--	--	--	--	--	3
CORN, SWEET:													
1981-82	--	--	2	82	37	10	--	--	--	--	--	--	131
1982-83	--	--	--	65	40	18	4	--	--	--	--	--	127
1983-84	--	--	--	37	39	10	2	--	--	--	--	--	88
CUCUMBERS:													
1981-82	--	--	16	108	42	32	10	--	--	--	--	--	208
1982-83	--	--	14	104	66	38	15	1	--	--	--	--	238
1983-84	--	--	5	86	70	36	8	--	--	--	--	--	205
EGGPLANT:													
1981-82	--	--	--	9	31	33	15	1	--	--	--	--	89
1982-83	--	--	--	6	30	26	13	--	--	--	--	--	75
1983-84	--	--	--	6	26	21	15	--	--	--	--	--	68
ESCAROLE:													
1981-82	--	2	27	15	14	16	22	14	--	--	--	--	110
1982-83	--	--	17	17	14	12	16	11	--	--	--	--	87
1983-84	--	--	23	15	12	11	15	5	--	--	--	--	81
LETTUCE:													
1981-82	--	18	78	26	15	15	41	35	2	--	--	--	230
1982-83	--	12	84	22	17	19	50	23	--	--	--	--	227
1983-84	--	11	84	24	11	22	72	15	--	--	--	--	239
ONIONS:													
1981-82	--	--	--	14	7	3	4	2	--	--	--	--	30
1982-83	--	--	--	8	9	3	--	--	--	--	--	--	20
1983-84	--	--	--	2	2	--	--	--	--	--	--	--	4
PEPPERS:													
1981-82	--	--	--	26	55	38	22	3	--	--	--	--	144
1982-83	--	--	1	26	66	35	19	2	--	--	--	--	149
1983-84	--	--	--	14	48	40	22	3	--	--	--	--	127
SPINACH:													
1981-82	13	17	9	2	--	5	10	9	4	--	--	--	69
1982-83	11	21	12	2	1	4	9	11	4	--	--	--	75
1983-84	18	21	8	1	--	3	8	10	3	--	--	--	72
TOMATOES:													
1981-82	--	--	1	64	60	23	6	1	--	--	--	--	155
1982-83	--	--	1	46	70	29	9	--	--	--	--	--	155
1983-84	--	--	--	43	51	20	9	--	--	--	--	--	123

1/ See page 52 for conversion factors.
2/ Unloads for 41 cities prior to October 1981.

SOURCE: Fruit & Vegetable Market News Service, C&MS, U.S. Department of Agriculture.

FRUIT CROP SUMMARY

Despite dry weather in 1983, utilized production of the five major fruit and berry crops amounted to 241,300 thousand pounds, 15 percent below 1982. The 1983 production was slightly above the 1981 production of 240,100 thousand pounds. Production of apples, blueberries and cranberries was lower than last year while production of peaches and strawberries was higher. The value of production of these five crops totaled $66.1 million in 1983, down 11 percent from a year earlier and 2.5 percent above 1981. Season average prices for peaches and strawberries were below the 1982 prices while prices for apples, blueberries and cranberries were higher. Peaches ranked number one in value at $22.9 million, 25 percent above number two blueberries. Cranberries ranked third, 15 percent above apples, followed by fifth-ranked strawberries at $2.6 million.



Total peach production in the Garden State increased to 95 million pounds compared to 80 million pounds in 1982. Early season hail damage and a late season drought combined to lower the expected production. A larger than normal amount of the crop was not harvested due to quality problems. The season average price of 25.40 cents per pound in 1983 was down 2.2 cents from the record high set in 1982. Value of production totaled $22.8 million, up 3 percent from the preceding year. Gloucester was the leading peach producing county in the State with 43.1 million pounds. Atlantic ranked second with 15.5 million pounds and Cumberland followed with 10.6 million pounds. Camden maintained a production of 8.0 million pounds and ranked fourth.

Apple production totaled 100 million pounds, down 29 percent from the large crop in 1982. The dry and hot summer weather delayed and prohibited some fruit development causing a later than normal harvest. The fruit size was smaller and some areas experienced hail damage. The season average price was 10.50 cents per pound, up 0.2 cents from 1982. The value of production for the 1983 crop decreased to $10.5 million, down 18 percent from the previous year. The leading apple producing county was Gloucester with 32.0 million pounds, Burlington was second with 12.0 million pounds, Monmouth ranked third with 9.5 million pounds followed by Atlantic with 6.7 million pounds.

Blueberry production in New Jersey decreased 23 percent from the 1982 record high to 23 million pounds. The area harvested was 7,800 acres, up 300 acres from 1982. Dry weather conditions during the growing season reduced the fruit size and development in most areas. Dry conditions also caused fruit to drop early, shortening the season. Prices received by growers increased to 79.4 cents per pound, up 8.2 cents from 1982. Value of production totaled $18.3 million, down 15 percent from the 1982 record high.

Strawberry production increased to 50,000 hundredweight, up 2 percent from 1982. Yield per acre increased to 50 hundredweight. Some losses occured from wet, cold weather early in the season. Acres harvested held steady at 1,000 acres. The season average price of $51.10 per hundredweight was down $1.20 from 1982. Value of production, at $2.6 million, was down slightly from the previous year.

Cranberry production in New Jersey totaled 233,000 barrels in 1983. This was down 21 percent from last year's record high. Acres harvested increased 100 acres from 1982. Yield per acre averaged 75.2 barrels, down 23.1 barrels from last year. The fruit set was good on most bogs but drought conditions caused reduced production on unirrigated bogs. The season average price was $51.50 per barrel, up $4.70 from 1982. Value of production declined 13 percent from the record high last year to $12.0 million.

NEW JERSEY: FRUIT AND BERRY PRODUCTION, UTILIZATION AND VALUE, 1978-1983

Crop year	Production 1/		Utilization		Season average price per unit	Value of production
	Total	Utilized	Fresh 2/	Processed		
		APPLES (million pounds)			cents	thou. dol.
1978	90.0	90.0	54.0	36.0	11.30	10,170
1979	110.0	110.0	58.0	52.0	10.60	11,660
1980	110.0	110.0	52.0	58.0	9.60	10,572
1981	95.0	95.0	55.0	40.0	13.00	12,330
1982	140.0	140.0	56.0	84.0	10.30	14,448
1983	100.0	100.0	50.0	50.0	10.50	10,450
		PEACHES (million pounds)			cents	
1978	70.0	70.0	70.0	3/	23.60	16,520
1979	95.0	90.0	85.0	3/	16.90	15,210
1980	110.0	110.0	110.0	3/	20.80	22,880
1981	90.0	90.0	90.0	3/	23.90	21,488
1982	80.0	80.0	80.0	3/	27.60	22,084
1983	95.0	90.0	90.0	3/	25.40	22,851
		BLUEBERRIES (thousand pounds)			cents	
1978	22,308	22,308	11,418	10,890	69.4	15,482
1979	23,400	23,400	17,400	6,000	59.0	13,806
1980	26,000	26,000	20,000	6,000	61.0	15,860
1981	28,000	28,000	20,700	7,300	65.0	18,200
1982	30,000	30,000	22,000	8,000	71.2	21,360
1983	23,000	23,000	18,000	5,000	79.4	18,260
		STRAWBERRIES (thousand cwt.)			dollars	
1978	50	50	50	--.--	43.20	2,160
1979	34	34	34	--.--	40.00	1,360
1980	38	38	38	--.--	61.40	2,333
1981	43	43	43	--.--	68.60	2,950
1982	49	49	49	--.--	52.30	2,563
1983	50	50	50	--.--	51.10	2,555
		CRANBERRIES (thousand barrels) 4/			dollars 5/	
1978	223.0	223.0	--.--	218.5	21.70	4,839
1979	253.0	253.0	--.--	248.0	26.90	6,806
1980	245.0	245.0	--.--	240.1	33.20	8,134
1981	228.0	228.0	--.--	223.5	41.60	9,485
1982	295.0	295.0	--.--	289.0	46.80	13,806
1983	233.0	233.0	--.--	229.0	51.50	12,000

1/ Differences between total quantity and that having value are economic abandonment or excess cullage of mature fruit. For cranberries, differences also include the quantity set aside under the Cranberry Marketing Order.
2/ Includes quantities used in farm household or given away.
3/ Included in fresh utilization.
4/ Excludes cranberries paid for by the processor but lost because of dehydration and berry breakdown after delivery.
5/ Equivalent returns at first delivery point, screened basis of utilized production.

NEW JERSEY: APPLE AND PEACH PRODUCTION, BY COUNTIES, 1980-1983 1/

County	Apples, commercial crop 2/				Peaches			
	1980	1981	1982	1983 3/	1980	1981	1982	1983 3/
	-- million pounds --							
NORTH DISTRICT:								
Bergen	1.7	1.0	1.5	1.0	1.5	1.4	1.1	1.0
Hunterdon	1.8	1.6	3.0	3.3	1.1	1.0	.9	.9
Morris	1.5	1.1	1.8	1.6	.4	.3	.3	.5
Somerset	.8	.5	1.0	.5	--	--	--	--
Sussex	3.5	3.0	3.5	3.3	.4	.4	.5	.6
Warren	5.0	3.0	4.1	3.5	.6	.4	.4	.5
CENTRAL DISTRICT:								
Burlington	16.0	13.6	19.8	12.0	9.0	7.0	5.2	5.0
Mercer	1.3	1.5	3.0	2.0	.3	.2	.3	.3
Middlesex	6.5	6.6	8.9	5.8	1.3	1.2	1.2	1.0
Monmouth	15.0	10.0	13.0	9.5	2.6	2.5	2.2	2.7
SOUTH DISTRICT:								
Atlantic	11.0	8.0	13.0	6.7	14.5	15.0	13.0	15.5
Camden	11.0	5.0	9.5	6.0	11.7	7.0	8.0	8.0
Cumberland	4.0	4.5	8.5	6.0	10.5	12.0	9.5	10.6
Gloucester	25.7	30.8	42.0	32.0	53.4	37.6	33.2	43.1
Salem	--	4.8	6.9	6.3	--	--	--	--
Other counties	5.2	.5	.5	.5	2.5	4.0	4.2	5.3
STATE	110.0	95.0	140.0	100.0	11.0	90.0	80.0	95.0

1/ Includes quantities not sold or utilized for some years.
2/ In orchards of 100 or more bearing trees.
3/ Preliminary.

NEW JERSEY: MONTHLY UNLOADS OF APPLES AND PEACHES AT 22 U.S. CITIES, 1979-1984 1/

Crop & year 2/	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Season totals
	-- 1,000 cwt. --												
APPLES:													
1979-80	7	7	29	15	5	2	2	3	3	6	3	1	83
1980-81	4	6	20	11	5	4	4	4	5	4	4	3	74
1981-82	3	5	30	20	2	2	1	2	3	2	4	2	76
1982-83	3	4	29	23	6	2	3	2	3	5	4	1	85
1983-84	2	3	12	11	3	1	1	1	--	--	1	--	35
PEACHES:													
1979-80	25	170	128	3	--	--	--	--	--	--	--	--	326
1980-81	35	145	163	8	--	--	--	--	--	--	--	--	351
1981-82	30	168	123	3	--	--	--	--	--	--	--	--	324
1982-83	16	153	147	8	--	--	--	--	--	--	--	--	324
1983-84	14	150	155	10	--	--	--	--	--	--	--	--	329

1/ See page 52 for conversion factors.
2/ Unloads for 41 cities prior to October 1981.

SOURCE: Fruit and Vegetable Market News Service, U.S.D.A.

NEW JERSEY: NUMBER OF COMMERCIAL APPLE GROWERS, TREE NUMBERS AND ACREAGE BY COUNTIES, 1982

County	Number of growers	Number of trees	Acres of trees	Trees per acre	Trees per grower
NORTH:					
Bergen	5	4,526	80.0	56.6	905
Hunterdon	14	7,989	141.4	56.5	571
Morris	13	5,394	101.8	53.0	415
Sussex	8	9,087	312.0	29.1	1,136
Warren	13	10,808	226.1	47.8	831
CENTRAL:					
Burlington	18	73,719	853.8	86.3	4,096
Mercer	8	15,582	139.0	112.1	1,948
Middlesex	7	24,924	370.0	67.4	3,561
Monmouth	11	44,825	616.3	72.7	4,075
SOUTH:					
Atlantic	23	41,835	657.0	63.7	1,819
Camden	13	22,693	358.9	63.2	1,746
Cumberland	6	24,940	325.0	76.7	4,157
Gloucester	44	162,552	1,965.4	82.7	3,694
Salem	4	21,115	267.0	79.1	5,279
Other counties	6	2,006	45.0	44.6	334
STATE TOTALS	193	471,995	6,458.7	73.1	2,446

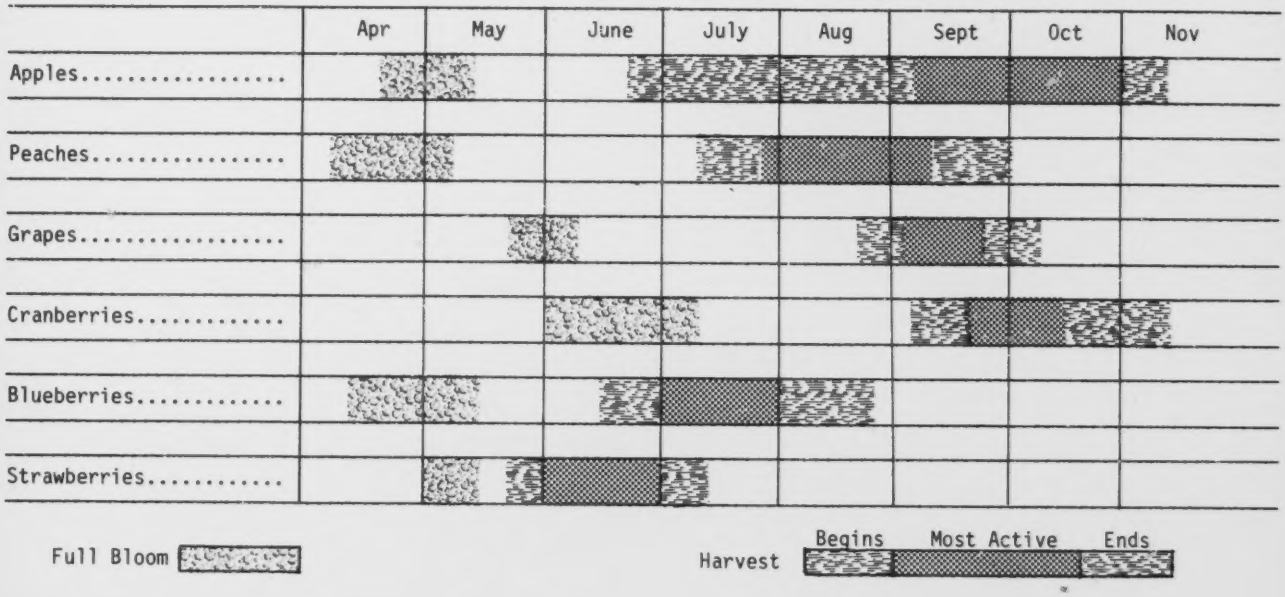
NEW JERSEY: NUMBER OF COMMERCIAL PEACH GROWERS, TREE NUMBERS AND ACREAGE BY COUNTIES, 1982

County	Number of growers	Number of trees	Acres of trees	Trees per acre	Trees per grower
NORTH:					
Bergen	4	6,374	61.1	104.3	1,594
Hunterdon	12	6,056	97.5	62.1	505
Morris	8	3,173	39.0	81.4	397
Sussex	7	5,386	177.0	60.6	736
Warren	13	5,386	177.0	30.4	414
CENTRAL:					
Burlington	23	64,016	726.9	88.1	2,783
Mercer	5	1,951	24.0	81.3	390
Middlesex	6	7,206	98.5	73.2	1,201
Monmouth	12	22,379	253.9	88.1	1,865
SOUTH:					
Atlantic	31	211,399	2,169.5	97.4	6,819
Camden	13	100,389	917.0	109.5	7,722
Cumberland	10	109,503	1,075.7	101.8	10,950
Gloucester	59	728,607	6,575.5	110.8	12,349
Salem	2	26,150	323.0	81.0	13,075
Other counties	5	2,926	40.5	72.2	585
STATE TOTALS	210	1,300,670	12,664.1	102.7	6,194

NEW JERSEY: BLUEBERRIES, BY COUNTIES, 1982-1983

County	Acres harvested	Production (pounds)		Acres harvested	Production (pounds)	
		Per acre	Total		Per acre	Total
	1982			1983		
Burlington	3,000	3,095	9,285,000	3,000	2,400	7,200,000
Atlantic	3,700	4,950	18,315,000	4,000	3,550	14,200,000
Other counties	800	3,000	2,400,000	800	2,000	1,600,000
STATE	7,500	4,000	30,000,000	7,800	2,950	23,000,000

NEW JERSEY: FRUITS AND BERRIES, USUAL FULL BLOOM AND HARVESTING DATES



NEW JERSEY: STRAWBERRY ACREAGE, BY COUNTIES, 1978-1983

County	Acres harvested					
	1978	1979	1980	1981	1982	1983 2/
CENTRAL DISTRICT:						
Burlington	100	100	100	100	200	200
Monmouth	150	150	150	100	100	100
SOUTH DISTRICT:						
Atlantic	150	100	1/	1/	1/	1/
Camden	50	50	100	100	150	150
Cumberland	200	200	200	200	150	150
Gloucester	200	200	150	100	100	100
Other counties	150	100	200	300	300	300
STATE	1,000	900	900	900	1,000	1,000

1/ Included with other counties.
2/ Preliminary.

CRANBERRY ACREAGE AND PRODUCTION, BY STATES, 1978-1983

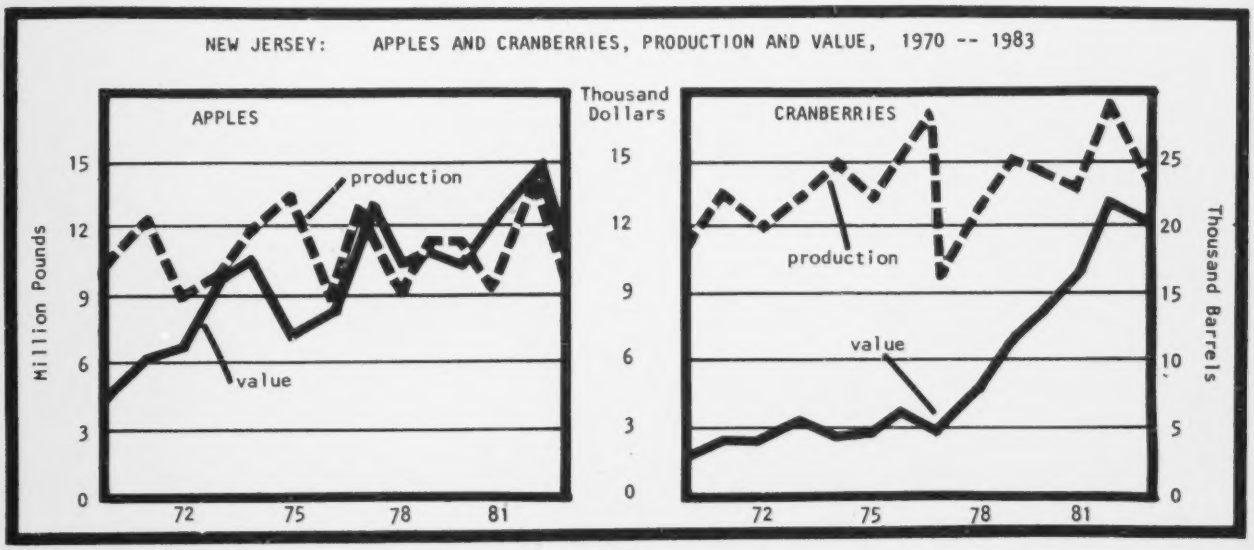
State	1978	1979	1980	1981	1982	1983
	-- acres harvested --					
NEW JERSEY	3,000	3,000	2,900	2,900	3,000	3,100
Massachusetts	11,200	11,200	11,200	11,200	11,200	11,200
Wisconsin	7,000	7,100	7,200	7,100	7,100	7,300
Washington	1,100	1,100	1,100	1,100	1,100	1,100
Oregon	820	800	790	850	810	850
TOTAL, 5 STATES	23,120	23,200	23,190	23,150	23,210	23,550
	-- barrels per acre --					
NEW JERSEY	74.3	84.3	84.5	78.6	98.3	75.2
Massachusetts	105.4	96.4	105.8	104.6	114.9	130.4
Wisconsin	117.4	126.9	150.0	136.3	169.0.	155.1
Washington	126.4	133.6	94.5	117.3	80.9	113.6
Oregon	115.2	118.1	105.7	112.9	80.2	88.2
TOTAL, 5 STATES	106.3	106.7	116.3	112.0	126.5	128.5
	-- production --					
NEW JERSEY	223,000	253,000	245,000	228,000	295,000	233,000
Massachusetts	1,180,000	1,080,000	1,850,000	1,172,000	1,287,000	1,460,000
Wisconsin	822,000	901,000	1,080,000	968,000	1,200,000	1,332,000
Washington	139,000	147,000	104,000	129,000	89,000	125,000
Oregon	94,500	94,500	83,500	96,000	65,000	75,000
TOTAL, 5 STATES	2,458,500	2,475,500	2,697,500	2,593,000	2,936,000	3,025,000

NEW JERSEY: MONTHLY UNLOADS OF STRAWBERRIES AND BLUEBERRIES AT 23 U.S. CITIES, 1980-1983 1/

Year	Strawberries				Blueberries				
	May	June	July	Season totals	June	July	Aug.	Sept.	Season totals
	-- 1,000 cwt. --								
1980 2/.....	1	1	--	2	10	74	24	--	108
1981 2/.....	--	1	--	1	16	89	21	--	126
1982	--	1	--	1	13	70	26	1	110
1983	--	2	--	2	5	58	18	--	81

1/ See page 53 for conversion factors.
2/ Unloads for 41 cities prior to October 1981.

SOURCE: Fruit & Vegetable Market News Service, USDA



LIVESTOCK, DAIRY AND POULTRY SUMMARY

Cattle and calves on New Jersey Farms totaled 104,000 head on January 1, 1984, up 4 percent from the 100,000 head in January 1, 1983. The average value per head, at $675.00, was $40.00 below last years value per head. Total inventory was valued at $70.2 million, 2 percent below the previous year.

There were 39,000 milk cows and 12,000 beef cows on farms January 1, 1984, compared to 40,000 milk cows and 12,000 beef cows on January 1, 1983. The 51,000 head accounted for 49 percent of the total inventory. Heifers weighing 500 pounds or more totaled 23,000 head, or 22 percent of the total inventory. This was 1,000 head more than a year earlier. Of these, milk cow replacements numbered 17,000, beef cow replacements 4,000 and the remaining 2,000 heifers were intended for slaughter.

A total of 500 million pounds of milk was produced in the Garden State during 1983, up 8 million pounds from the previous year's production level. The annual average number of milk cows in 1983 was 40,000, unchanged from 1982. Average annual production per cow increased from 12,300 in 1982 to 12,500 pounds in 1983.

The top five milk producing counties for 1983 were; Warren, 123.0 million pounds; Sussex, 92.4 million pounds; Salem, 84.6 million pounds; Hunterdon, 68.5 million pounds; and Burlington, 54.4 million pounds. These five counties accounted for 85 percent of New Jersey's total milk production.

There were 45,000 hogs and pigs on New Jersey farms on December 1, 1983, 10 percent below the previous year. The average value per head, at $81.50, was $22.00 below a year earlier. Total inventory was valued at $3.7 million, 29 percent below the previous year.

Sheep and lamb inventory in New Jersey totaled 11,000 head on January 1, 1984 -- 1,000 head (10 percent) more than a year earlier. The average value per head, at $97.50, was down $14.50 from 1983. Total inventory value of all sheep and lambs was $1,073,000, down 4 percent from the 1983 value of $1,120,000. Cash receipts from marketings during 1983 totaled $192,000, up 50 percent from 1982.

Egg production in 1983 totaled 242 million eggs, 12 percent below the 276 million eggs produced in 1982. Eggs per layer was 225 eggs compared to 230 eggs in 1982. The average number of layers on Garden State farms in 1983, was 1,077,000 compared to 1,202,000 in 1982.

During 1983, New Jersey poultrymen received an average of 67.0 cents per dozen eggs compared with 65.0 cents in 1982. These prices include the average price received by poultrymen for wholesale and retail sales of all sizes and grades of eggs.

Sales of chickens (excluding meat chickens) decreased to 700,000 birds in 1983, down 400,000 from the 1,100,000 birds sold in 1982. The average price received by producers in 1983 was 16.0 cents per pound, up 6 cents from 1982.

Turkey production in the Garden State increased from 75,000 in 1982 to 85,000 in 1983. Heavy breeds produced increased from 60,000 in 1982 to 83,000 in 1983, while light breeds decreased from 15,000 in 1982 to 2,000 in 1983. The average price received by Garden State turkey growers increased to 95.0 cents per pound liveweight, up 13 cents from the 1982 average price of 82.0 cents.

NEW JERSEY: LIVESTOCK ON FARMS AND VALUE, JANUARY 1, 1981-1984

Item	Unit	Number or value			
		1981	1982	1983	1984
		-- thousands --			
All cattle and calves	No.	104	100	100	104
Total value	Dol.	88,920	82,500	71,500	70,200
Cows and heifers that have calved:					
Beef cows	No.	14	14	12	12
Milk cows	No.	42	41	40	39
Heifers:					
Beef cow replacements	No.	4	4	6	4
Milk cow replacements	No.	14	14	14	17
Other	No.	3	1	2	2
Steers, bulls and heifers:					
Steers, 500 pounds and over	No.	6	5	5	8
Bulls, 500 pounds and over	No.	2	2	2	3
Steers, heifers and bulls, under 500 lbs.	No.	19	19	19	19
All hogs and pigs 1/	No.	68	45	50	45
Total value 1/	Dol.	5,270	3,600	5,175	3,668
Sheep and lambs	No.	9.5	9.7	10.0	11.0
Total value	Dol.	760	907	1,120	1,073
Ewes, 1 year and older	No.	6.9	6.8	6.8	7.0
Rams and wethers, 1 year and older	No.	.6	.5	.5	1.0
Ewe lambs	No.	1.4	1.6	1.8	2.0
Wether and ram lambs	No.	.6	.8	.9	1.0

1/ Estimates are for December 1, preceding year.

NEW JERSEY: ALL CATTLE, SHEEP AND HOGS, NUMBER ON FARMS, BY COUNTIES, JANUARY 1, 1983-1984

County	Cattle and calves		Sheep and lambs		Hogs and pigs 1/	
	1983	1984	1983	1984	1983	1984
	(Revised)	(Prelim.)	(Revised)	(Prelim.)	(Revised)	(Prelim.)
NORTH DISTRICT:						
Hunterdon	16,500	17,000	2,600	3,000	3,500	2,800
Morris	2,000	2,400	400	400	700	500
Somerset	6,200	6,400	1,500	1,600	1,200	1,000
Sussex	15,600	16,000	1,600	1,600	600	500
Warren	19,500	20,500	1,000	1,100	1,500	1,200
CENTRAL DISTRICT:						
Burlington	9,800	10,000	600	600	6,600	6,300
Mercer	2,000	2,200	400	400	600	600
Middlesex	1,000	1,100	2/	2/	1,400	1,300
Monmouth	4,000	4,200	600	600	2,400	2,000
Ocean	1,600	1,700	2/	2/	2,200	1,500
SOUTH DISTRICT:						
Atlantic	2/	2/	2/	2/	500	400
Cape May	2/	2/	2/	2/	2,200	2,100
Cumberland	2,600	2,700	200	200	3,400	3,100
Gloucester	3,700	3,800	300	400	20,000	18,500
Salem	14,500	14,800	500	800	3,000	3,000
Other counties	1,000	1,200	300	300	200	200
STATE	100,000	104,000	10,000	11,000	50,000	45,000

1/ Estimates are for December 1, preceding year.

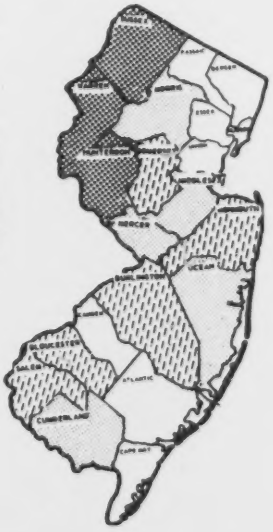
NEW JERSEY: LIVESTOCK PRODUCTION, DISPOSITION AND INCOME, 1979-1983

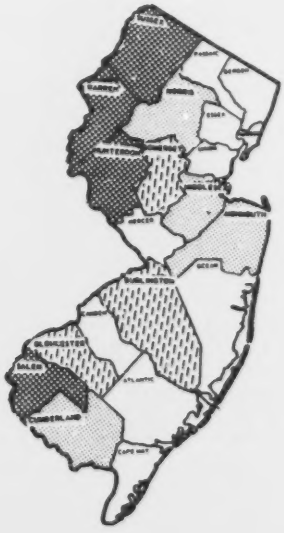
Item	Unit	1979	1980	1981	1982	1983
CATTLE AND CALVES:						
Calf crop	No.	46,000	49,000	45,000	43,000	44,000
Inshipments 1/	No.	4,000	4,000	5,000	4,000	4,000
Marketings: 2/						
Cattle	No.	23,000	16,000	19,000	12,000	12,000
Calves	No.	23,000	26,000	27,000	26,000	22,000
Price per hundredweight:						
Cattle	Dol.	52.00	48.20	43.30	42.70	42.30
Calves	Dol.	94.70	92.80	84.20	70.80	65.10
Cash receipts 3/	Thou. dol.	18,669	15,822	16,792	11,186	9,995
Gross income 4/	Thou. dol.	21,331	18,309	19,026	13,088	12,336
HOGS AND PIGS:						
Pig crop	No.	48,000	42,000	30,000	32,000	41,000
Inshipments 1/	No.	47,000	47,000	50,000	40,000	49,000
Marketings 2/	No.	82,000	78,000	95,000	55,000	89,000
Price per hundredweight	Dol.	41.30	35.70	43.10	54.40	51.60
Cash receipts 3/	Thou. dol.	7,062	5,648	8,430	6,104	9,334
Gross income 4/	Thou. dol.	7,789	6,323	8,999	6,822	9,876
SHEEP AND LAMBS:						
Lamb crop	No.	7,800	7,800	7,600	7,800	8,000
Inshipments 1/	No.	600	600	500	300	800
Marketings: 2/						
Sheep	No.	1,900	1,700	1,900	2,000	2,100
Lambs	No.	4,100	4,300	3,500	3,200	3,800
Price per hundredweight:						
Sheep	Dol.	37.00	32.00	32.10	27.80	27.60
Lambs	Dol.	60.00	58.00	46.10	41.50	53.80
Cash receipts 3/	Thou. dol.	247	211	164	128	192
Gross income 4/	Thou. dol.	339	280	213	216	279
WOOL:						
Sheep shorn	No.	8,500	8,700	8,900	8,000	8,700
Weight per fleece	Lb.	6.8	6.9	6.8	7.0	6.8
Wool produced	Lb.	58,000	60,000	61,000	56,000	59,000
Price per pound 5/	Dol.	0.82	0.73	0.79	0.40	0.41
Value 5/	Thou. dol.	48	44	48	22	24

1/ Does not include inshipments for slaughter.
2/ Excludes custom slaughter for use on farms where produced and interfarm sales within the state.
3/ Receipts from marketings and sales of farm slaughter.
4/ Includes value of meat used in farm households.
5/ Does not include incentive payments.

CATTLE AND CALVES
Number
Jan. 1, 1984

0 -- 999
1,000 -- 3,000
3,000 -- 15,999
16,000 -- +





AVERAGE NUMBER
OF MILK COWS
1983

0 -- 300
300 -- 999
1,000 -- 4,999
5,000 -- +

NEW JERSEY: PASTURE CONDITION AS PERCENTAGE OF NORMAL, 1979-1983 1/

Year	Apr. 1	May 1	June 1	July 1	Aug. 1	Sept. 1	Oct. 1	Nov. 1
1979	86	88	93	90	86	86	84	86
1980	83	87	91	72	56	52	34	86
1981	71	83	88	90	74	69	78	77
1982	75	85	88	90	81	78	74	73
1983	90	87	91	89	66	51	48	63

1/ Percent of normal for the date as reported on monthly surveys.

NEW JERSEY: GRAIN CONCENTRATES FED DAILY TO DAIRY COWS, SPECIFIED DATES, 1979-1983

Year	January 1	April 1	July 1	October 1
	-- pounds per cow --			
1979	13.0	14.1	12.6	13.2
1980	13.6	14.2	13.8	14.1
1981	13.1	13.4	13.6	13.2
1982	13.7	13.7	13.8	13.3
1983	13.7	13.1	12.9	12.6

NEW JERSEY: SOWS FARROWED AND PIG CROP, 1979-1983

Year	December 1/ - May			June - November			Total pig crop (thou.)
	Sows farrowed (thou.)	Pigs per litter	Pig crop (thou.)	Sows farrowed (thou.)	Pigs per litter	Pig crop (thou.)	
1979	4.4	6.4	28	3.2	6.4	20	48
1980	3.4	5.9	20	3.4	6.5	22	42
1981	2.5	5.8	15	2.8	5.3	15	30
1982	3.0	5.3	16	2.5	6.3	16	32
1983	2.8	7.4	21	2.8	7.0	20	41

1/ December preceding year.

NEW JERSEY: LIVESTOCK SLAUGHTERED IN COMMERCIAL PLANTS, BY MONTHS, 1983 1/

Month	Cattle		Calves		Hogs		Sheep and lambs	
	Thou. head	Thou. pounds liveweight	Thou. head	Thou. pounds liveweight	Thou. head	Thou. pounds liveweight	Thou. head	Thou. pounds liveweight
January	12.6	15,770	8.9	2,812	21.7	4,702	3.0	300
February	11.4	14,549	7.9	2,580	18.0	3,938	2.7	260
March	13.0	15,392	9.3	3,020	23.5	5,165	5.7	444
April	11.9	15,435	7.7	2,556	19.7	4,279	3.9	322
May	12.7	16,440	9.3	2,998	22.2	4,683	5.0	409
June	14.3	18,546	8.6	2,706	23.8	5,141	4.7	459
July	12.6	15,972	8.2	2,618	21.6	4,652	4.0	385
August	14.9	18,942	9.8	2,971	25.5	5.543	5.2	515
September	10.7	13,547	9.6	3,018	24.2	5,092	4.9	513
October	13.4	17,035	10.1	3,305	23.7	5,181	4.5	446
November	12.2	15,266	8.9	2,849	27.0	5,739	4.5	436
December	12.5	15,615	9.5	3,081	33.7	6,298	4.8	481
TOTAL 2/	152.1	192,508	107.8	34,514	284.4	60,412	52.8	4,968

1/ Includes s aughter in Federally inspected and other slaughter plants, but excludes animals slaughtered on farms.
2/ May not add due to rounding.

NEW JERSEY: MILK PRODUCTION, DISPOSITION AND INCOME, 1978-1983

Item	Unit	1978	1979	1980	1981	1982	1983
Milk cows 1/	No.	45,000	41,000	41,000	41,000	40,000	40,000
Milk per cow	Lb.	11,667	12,049	12,049	12,049	12,300	12,500
Total milk production	Mil. lb.	525	494	494	494	492	500
Disposition of milk produced:							
Used on farms	Mil. lb.	11	10	10	10	9	8
Sold to plants and dealers	Mil. lb.	490	463	466	467	468	477
Sold directly to consumers	Mil. lb.	24	21	18	17	15	15
Prices received for milk by farmers:							
Sold to plants and dealers (per cwt.)	Dol.	11.10	12.50	13.38	14.10	13.90	14.00
Sold directly to consumers (per qt.)	Cents	41.0	41.0	43.0	46.0	47.0	46.0
				-- thousand dollars --			
Cash receipts from milk:							
Sold to plants and dealers		54,390	57,875	62,351	65,847	62,052	66,780
Sold directly to consumers		4,577	4,004	3,600	3,637	3,279	3,209
Total		58,967	61,879	65,951	69,484	68,331	69,989
Gross income (includes home use)		59,426	62,390	66,496	70,058	68,614	70,274
Total value (includes fed to calves)		60,218	63,133	67,332	70,938	69,618	71,150

1/ Average number on farms during the year (in milk and dry).

NEW JERSEY: MANUFACTURED DAIRY PRODUCTS, 1978-1983

Products	Quantity of products made					
	1978	1979	1980	1981	1982	1983
			-- thousand pounds --			
Cheese 1/	21,788	25,569	28,326	61,166	66,326	47,308
			-- thousand gallons --			
Ice cream:						
Hard	3,704	3,515	7,927	10,025	12,584	2/
Soft	2,133	2,232	3,383	5,745	7,608	2/
Total	5,837	5,747	11,310	15,770	20,192	24,474
Ice milk	2,284	3,040	3,697	3,498	4,649	5,678
Milk sherbet	216	194	318	343	407	283
Water ices	183	161	210	161	142	316
Ice cream mix	2,879	2,793	7,785	10,287	13,401	2/
All other mix	1,981	1,693	3,162	2,782	3,165	3,762

Products	Equivalent whole milk used (thousand pounds)					
Cheese	87,398	102,826	114,536	110,327	128,260	2/
Ice cream and other frozen products	106,504	110,978	202,240	268,447	349,613	421,016
Other milk products	352	353	328	327	354,152	2/
Total	194,254	214,157	317,104	379,101	832,025	828,269
Duplications	19,314	21,879	28,175	30,824	64,951	55,065
Net total	174,940	192,278	288,,929	348,277	767,074	773,204

1/ Excludes cottage cheese.
2/ Not published to avoid disclosure of individual firms.

NEW JERSEY: MILK COWS AND MILK PRODUCTION, BY COUNTIES, 1982-1983

County	Average number of milk cows	Milk per cow (lbs.)	Total milk production (thou. lbs.)	Average number of milk cows	Milk per cow (lbs.)	Total milk production (thou. lbs.)
		1982			1983	
NORTH DISTRICT:						
Hunterdon	5,800	12,240	71,000	5,500	12,450	68,500
Morris	400	11,250	4,500	300	12,670	3,800
Passaic	1/	1/	1/	1/	1/	1/
Somerset	2,200	12,050	26,500	2,200	12,550	27,600
Sussex	7,100	12,350	87,700	7,400	12,490	92,400
Warren	9,600	12,250	117,600	9,800	12,550	123,000
CENTRAL DISTRICT:						
Burlington	4,300	12,370	53,200	4,400	12,360	54,400
Mercer	1/	1/	1/	1/	1/	1/
Middlesex	1/	1/	1/	400	11,000	4,400
Monmouth	900	12,000	10,800	800	12,500	10,000
SOUTH DISTRICT:						
Cumberland	800	12,500	10,000	800	12,380	9,900
Gloucester	1,300	12,000	15,600	1,300	12,620	16,400
Salem	6,600	12,560	82,900	6,700	12,630	84,600
Other counties	1,000	12,200	12,200	400	12,500	5,000
STATE	40,000	12,300	492,000	40,000	12,500	500,000

1/ Included in other counties.

NEW JERSEY: NUMBER OF LIVESTOCK FARMS BY SPECIES, 1978-1983

Year	Cattle	Milk cow	Hog	Sheep
		-- number of farms --		
1978	2,800	950	860	550
1979	2,800	950	900	650
1980	2,700	900	950	750
1981	2,800	900	1,000	750
1982	2,900	900	900	700
1983	2,800	900	800	700

NEW JERSEY: POULTRY ON FARMS AND VALUE, DECEMBER 1, 1979-1983

Class	Number and value				
	1979	1980	1981	1982	1983
			-- thousands --		
All chickens (excl. meat chickens)	1,555	1,400	1,500	1,218	1,220
Hens	597	735	592	575	650
Pullets of laying age	740	547	745	515	450
Hens and pullets of laying age	1,337	1,282	1,337	1,090	1,100
Pullets over 3 months, not laying	208	66	117	107	15
Pullets under 3 months	5	45	40	11	100
Other chickens	5	7	6	10	5
TOTAL VALUE	$2,877	$2,730	$2,775	$2,862	$2,440

NEW JERSEY: LAYERS, EGGS PER LAYER AND EGG PRODUCTION, BY QUARTER, 1982 and 1983

Month	Average number of layers			Eggs per layer		Total egg production		
	1982 (thou.)	1983 (thou.)	1983 as percent of 1982	1982	1983	1982 (mil.)	1983 (mil.)	1983 as percent of 1982
December1/-February	1,307	1,063	81	52.79	55.49	69	59	86
March-May	1,266	1,074	85	61.00	61.47	77	66	86
June-August	1,144	1,078	94	59.34	58.41	68	63	93
September-November	1,090	1,091	100	56.97	49.50	62	54	87

1/ December preceding year.

NEW JERSEY: POULTRY PRODUCTION, DISPOSITION AND INCOME, 1979-1983 1/

Item	Unit	1979	1980	1981	1982	1983
EGGS:						
Number of layers 2/	Thou.	1,483	1,252	1,312	1,202	1,077
Eggs per layer	No.	231	223	222	230	225
Eggs produced	Mil.	342	279	291	276	242
Eggs sold	Mil.	341	277	289	274	240.6
Price per dozen	Cents	63.0	58.0	66.0	65.0	67.0
Cash receipts	Thou. dol.	17,968	13,388	15,895	14,842	13,434
Gross income 3/	Thou. dol.	18,073	13,485	16,005	14,950	13,512
CHICKENS: 4/						
Number raised	Thou.	1,217	1,200	1,328	984	926
Number sold	Thou.	1,200	1,147	1,000	1,100	700
Pounds sold	Thou.	5,040	4,817	4,200	4,730	2,940
Price per pound	Cents	13.7	11.0	11.0	10.0	16.0
Cash receipts	Thou. dol.	689	530	462	473	470
Gross income 3/	Thou. dol.	710	545	477	486	489
TURKEYS:						
Number raised - total	Thou.	59	69	70	75	85
Heavy breeds	Thou.	44	59	60	60	83
Light breeds	Thou.	15	10	10	15	2
Pounds produced 5/	Thou.	1,298	1,428	1,442	1,418	1,726
Price per pound	Cents	57.0	67.0	72.0	82.0	95.0
Gross income 3/	Thou. dol.	740	757	1,038	1,163	1,640
POULTRY AND EGGS:						
Gross income 3/	Thou. dol.	19,523	14,987	17,520	16,599	15,641

1/ Excludes meat-type birds, e.g., broilers, fryers, roasters, heavy pullets, capons and rock cornish.
2/ Average number on hand during year.
3/ Includes value of production used in farm households.
4/ Includes farm and commercial operations, but excludes meat chickens.
5/ Includes home consumption.

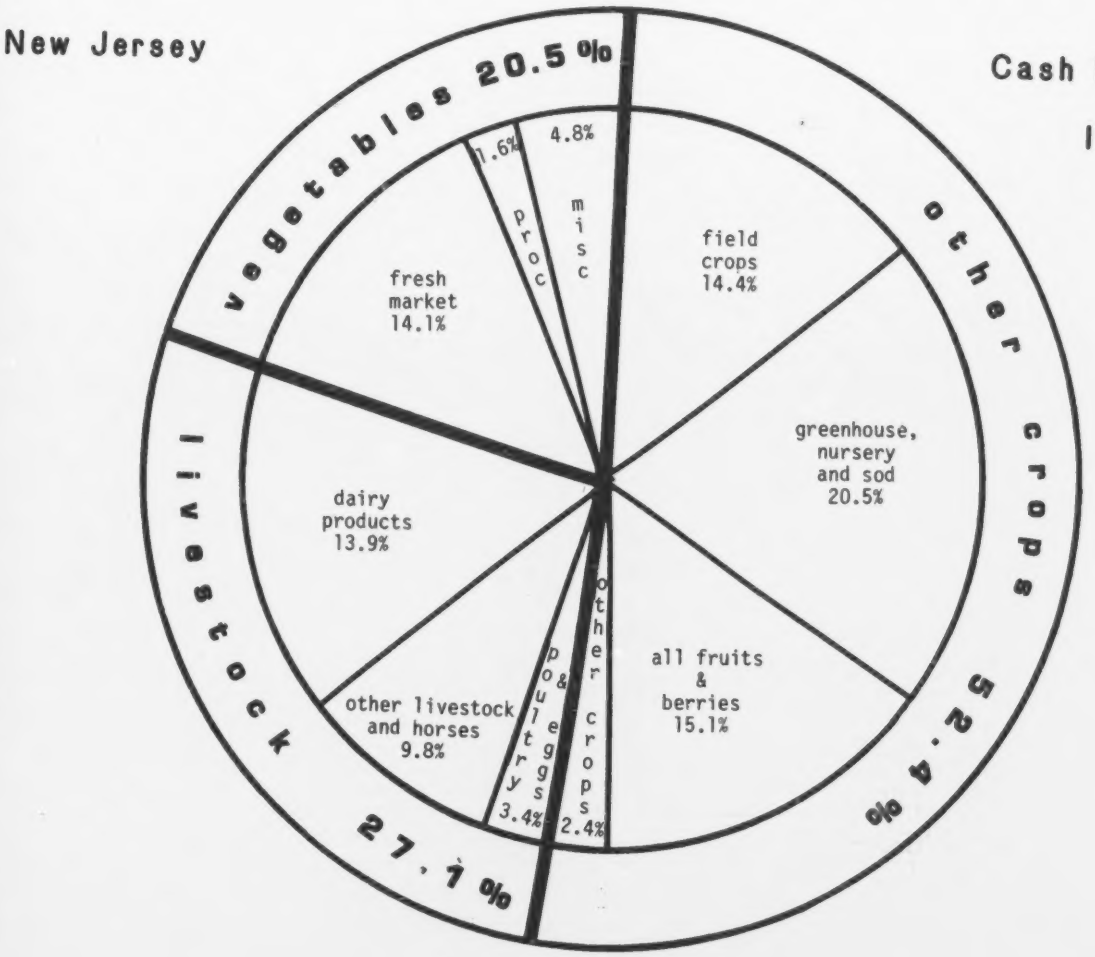
FARM INCOME AND EXPENSE SUMMARY

The estimated cash receipts of all fruit, vegetable and field crops produced in New Jersey during 1983 was $251.7 million, a decrease of 10 percent from the 1982 value of $279.2 million. Cash receipts for field crops, at $72.5 million, declined 11 percent from 1982. Most of the decline was attributed to lower production in 1983. A combination of drought and the Payment in Kind program lowered crop production significantly. Cash receipts for all fruit totaled $76.1 million, down 2 percent from 1982. Income from vegetables totaled $103.0 million, down 14 percent from 1982. Tomatoes, at $18.3 million, returned the largest amount of cash among vegetables followed by sweet corn, peppers and cabbage.

Cash receipts from livestock, poultry and their products totaled $136.4 million, up 3 percent from the 1982 level of $132.2 million. Dairy products were the leading category with $70.0 million, up 2 percent from 1982. Cash receipts for horses took second place at $27.3 million, 5 percent more than 1982. Eggs, the third ranking category, brought in $13.4 million, down 9 percent from the previous year. Receipts for cattle and calves declined in 1983, but receipts for hogs and turkeys increased.

Farm production expenses totaled $531.8 million in 1983, down 2 percent from 1982. This reversed a long-term trend of steadily increasing production expenses. The primary reason for the decline, however, was the savings realized when the Payment in Kind program idled thousands of acres in New Jersey. Expenses for fertilizer and lime totaled $24.3 million, down 21 percent from last year's figure of $30.9 million. Seed purchases totaled $26.3 million or 15 percent below 1982. The greatest increase in expenditures in 1983 was purchases for feed, up 17 percent to $36.7 million. Again, the Payment in Kind program was the main factor as reduced supplies led to a price rise of corn and other feed grains.

Net farm income in 1983 was $112.9 million. This was 12 percent less than the 1982 value of $128.4 million. The estimate of gross farm income was $656.5 million, down 1 percent from the 1982 level of $666.2 million. Government payments, at $4.3 million, were up 291 percent from the 1982 figure of $1.1 million. The Payment in Kind program accounted for most of the increase, but most of the payments under that program were made in early 1984 and will be reflected in next year's figures. The total value of farmland and buildings was $3.1 billion in 1983, down 2 percent from 1982. This was the first decrease in value in New Jersey in many years.



NEW JERSEY: FARM PRODUCTION EXPENSES, 1976-1983

Item	1976	1977	1978	1979	1980	1981	1982	1983
	-- million dollars --							
CURRENT FARM OPERATING EXPENSES:								
Feed	40.6	36.3	32.5	35.0	37.0	37.4	31.3	36.7
Livestock	7.4	6.2	6.4	5.6	5.1	8.0	7.8	7.3
Seed	15.0	14.1	20.4	22.9	25.9	30.7	31.1	26.3
Fertilizer and lime	23.0	22.5	22.8	25.0	32.7	31.1	30.9	24.3
Repairs and operation of capital items	40.4	44.4	50.4	61.5	70.7	74.6	74.2	71.6
Miscellaneous	46.8	46.6	54.0	65.1	71.0	81.1	94.2	88.9
Hired labor	67.8	74.6	68.7	77.2	87.1	84.2	99.8	100.0
TOTAL CURRENT EXPENSES	241.0	244.8	255.2	292.4	329.6	347.0	369.3	355.2
Depreciation and consumption of farm capital	70.0	76.0	88.9	102.4	103.2	114.6	119.3	118.8
Taxes on farm property	26.3	24.7	24.3	17.5	25.5	28.2	30.7	33.1
Interest on farm mortgage debt	15.5	16.0	16.5	19.0	23.3	26.0	28.8	31.8
Net rent to nonfarm landlords	-5.6	-4.8	-3.5	-3.0	-4.3	-4.7	-6.0	-7.1
TOTAL PRODUCTION EXPENSES	347.3	356.6	381.4	428.2	477.3	511.1	542.0	531.8

NOTE: Details may not add to totals because of roundings.

NEW JERSEY: GROSS AND NET INCOME FROM FARMING, 1976-1983

Item	1976	1977	1978	1979	1980	1981	1982	1983
	-- million dollars --							
Cash receipts from farm marketings	335.6	353.7	398.6	413.7	438.4	501.7	519.9	502.6
Government payments	.8	1.1	2.0	.8	.9	1.5	1.1	4.3
Non-money income	64.8	70.9	82.9	96.9	87.3	90.5	96.9	102.5
Other farm income	5.0	5.2	5.2	6.4	6.4	7.8	8.1	6.7
TOTAL GROSS FARM INCOME	406.1	430.9	488.6	517.8	533.0	601.5	626.0	616.1
Farm production expenses	347.3	356.6	381.4	428.2	477.3	511.1	542.0	531.8
Realized net farm income	58.8	74.3	107.2	89.7	55.7	90.4	84.0	84.3
Net change in farm inventories	5.8	-.9	3.4	4.1	-4.0	2.9	4.2	-11.8
TOTAL NET FARM INCOME	64.6	73.3	110.6	93.8	51.8	93.3	88.2	72.5

NOTE: Totals may not add due to roundings.
Cash Receipts differ from U.S. publication due to a revision.
SOURCE: The Farm Income Situation, Economic Research Service, U.S.D.A.

NEW JERSEY: VALUE OF LAND AND BUILDINGS AND TAXES LEVIED ON FARM REAL ESTATE, SELECTED YEARS, 1975-1983

Year	Value of land and buildings		Taxes levied on farm real estate		
	Total (million dol.)	Average per acre (dollars)	Total (million dol.)	Average per acre (dollars)	Average taxes per $100 of full value (dollars)
1975	1,870	1,807	17.5	18.53	1.03
1976	2,148	2,106	18.6	19.78	.94
1977	2,211	2,211	16.9	18.05	.82
1978	2,481	2,386	17.0	18.22	.76
1979	2,782	2,701	17.4	18.57	.69
1980	2,984	2,926	18.9	20.35	.70
1981	3,088	2,998	20.4	21.77	.73
1982	3,212	3,118	22.0	23.48	.75
1983	3,148	3,056	1/	1/	1/

1/ Not available at time of publication.

SOURCE: Farm Real Estate Market Development and Farm Real Estate Taxes, Economic Research Service, U.S.D.A.

NEW JERSEY: TABLE 1 - BALANCE SHEET OF THE FARMING SECTOR (EXCLUDING FARM HOUSEHOLDS), JANUARY 1, 1979--1983 1/

Item	1979	1980	1981	1982	1983 2/
			-- number --		
Farms	9,600	9,400	9,500	9,500	9,500
Assets			-- million dollars --		
Total farm assets	2,822.5	3,033.9	3,148.8	3,282.9	3,241.0
Real estate 3/	2,318.6	2,461.6	2,551.5	2,658.5	2,610.4
Livestock and poultry 4/	65.8	84.4	97.7	89.8	80.7
Machinery and motor vehicles 5/	254.3	288.0	309.3	334.2	343.3
Crops 6/	50.9	58.9	44.1	48.4	48.5
Financial assets	132.9	141.0	146.3	152.1	158.2
Claims					
Total farm debt	304.3	349.6	399.1	426.1	441.1
Real estate debt 7/	198.8	233.2	267.0	269.4	277.1
Nonreal estate debt 8/	102.5	113.4	129.1	150.7	158.0
CCC loans 9/	3.0	3.0	3.0	6.0	6.0
Equity	2,518.2	2,684.3	2,749.8	2,856.8	2,799.8
Ratios			-- ratio --		
Equity/assets	89.2	88.5	87.3	87.0	86.4
Debt/equity	12.1	13.0	14.5	14.9	15.8
Debt/assets, total	10.8	11.5	12.7	13.0	13.6
Debt/assets, real estate	8.6	9.5	10.5	10.1	10.6
Debt/assets, nonreal estate and CCC	20.9	20.3	22.1	25.1	26.0
Returns to operator/total debt	14.5	5.6	13.8	9.6	N.A.

NEW JERSEY: TABLE 2 -- BALANCE SHEET OF THE FARMING SECTOR (INCLUDING FARM HOUSEHOLDS), JANUARY 1, 1979-1983 1/

			-- number --		
Farms	9,600	9,400	9,500	9,500	9,500
Assets			-- million dollars --		
Total farm assets	3,546.9	3,827.0	3,966.4	4,143.5	4,110.2
Real estate	2,782.0	2,984.5	3,087.9	3,211.5	3,147.7
Livestock and poultry	65.8	84.4	97.7	89.8	80.7
Machinery and motor vehicles	275.0	306.7	327.6	353.0	359.9
Crops 6/	50.9	58.9	44.1	48.4	48.5
Household equip and furnishings	136.8	148.4	157.5	178.8	201.5
Deposits and currency	153.6	154.0	158.2	166.1	172.7
U.S. savings bonds	15.1	14.2	13.5	13.0	12.5
Investments in cooperatives	67.6	75.8	80.0	83.0	86.8
Claims					
Total farm debt	348.7	404.6	461.8	490.6	506.8
Real estate debt	238.6	282.7	323.1	325.4	334.1
Nonreal estate debt 10/	107.1	118.9	135.7	159.2	166.6
CCC loans 11/	3.0	3.0	3.0	6.0	6.0
Equity	3,198.2	3,422.4	3,504.6	3,652.9	3,603.4
Ratios			-- ratio --		
Equity/assets	90.2	89.4	88.4	88.2	87.7
Debt/equity	10.9	11.8	13.2	13.4	14.1
Debt/assets, total	9.8	10.6	11.6	11.8	12.3
Debt/assets, real estate	8.6	9.5	10.5	10.1	10.6
Debt/assets, nonreal estate and CCC	14.4	14.5	15.8	17.7	17.9
Net farm income/debt	26.9	19.6	25.6	22.0	N.A.

1/ Data are for farms with sales of $1,000 or more annually. 2/ Preliminary. 3/ Excludes value of operator dwellings. 4/ Excludes horses, mules and broilers. 5/ Includes only farm share value for trucks and autos. 6/ All crops held on farms including crops under CCC and crops held off farms by farm operators. 7/ Excludes debt on operators dwellings. 8/ Excludes debt for nonfarm purposes. 9/ Nonrecourse CCC loans secured by crops, and storage and drying facilities owned by farmers. 10/ Includes debt owed to institutional lenders and to noninstitutional lenders or miscellaneous lenders. 11/ Nonrecourse CCC loans secured by crops owned by farmers. These crops are included as assets.

N.A.-Not Applicable

SOURCE: Economic Research Service.

CASH RECEIPTS FROM NEW JERSEY FARM MARKETINGS, BY COMMODITIES, 1981-1982-1983 1/

Commodity	1981		1982 (Revised)		1983 (Prelim)	
	Thou. dollars	Percent of total	Thou. dollars	Percent of total	Thou. dollars	Percent of total
Livestock and Products:						
Eggs	15,895	3.1	14,842	2.9	13,434	2.7
Turkeys	1,038	.2	1,163	.2	1,640	.3
Other poultry	2,309	.5	2,031	.4	2,050	.4
All poultry and eggs	19,242	3.8	18,036	3.5	17,124	3.4
Dairy products	69,484	13.8	68,331	13.1	69,989	13.9
Cattle and calves	16,792	3.3	11,186	2.2	9,995	2.0
Hogs	8,430	1.7	6,104	1.2	9,334	1.9
Horses 3/	19,508	3.9	26,000	5.0	27,300	5.4
Other livestock	1,946	.4	2,514	.5	2,616	.5
All livestock except poultry	116,160	23.2	114,135	21.9	119,234	23.7
ALL LIVESTOCK AND PRODUCTS	135,402	27.0	132,171	25.4	136,358	27.1
Field Crops:						
Corn	21,465	4.3	20,234	3.9	18,952	3.8
Wheat	8,150	1.6	6,495	1.2	5,975	1.2
Hay	10,121	2.0	12,080	2.3	11,739	2.3
Soybeans	30,351	6.0	25,007	4.8	22,845	4.5
Potatoes	13,972	2.8	10,118	1.9	7,486	1.5
Sweet potatoes	3,873	.8	4,791	.9	3,151	.6
Other field crops	2,993	.6	2,743	.5	2,398	.5
ALL FIELD CROPS	90,925	18.1	81,468	15.7	72,546	14.4
Vegetables for Fresh Market:						
Tomatoes	20,582	4.1	25,186	4.8	12,520	2.5
Sweet corn	9,771	1.9	8,733	1.7	10,787	2.1
Lettuce	7,347	1.5	6,082	1.2	7,096	1.4
Asparagus	2,277	.5	2,637	.5	1,910	.4
Peppers	7,685	1.5	10,643	2.0	10,296	2.0
Cabbage	5,878	1.2	7,076	1.4	9,332	1.9
Snap beans	6,159	1.2	5,530	1.1	3,703	.7
Cucumbers	3,881	.8	4,925	.9	3,953	.8
Spinach	3,136	.6	3,865	.7	5,051	1.0
Escarole	4,115	.8	2,880	.6	3,853	.8
Eggplant	3,156	.6	2,693	.5	2,445	.5
Vegetables for Processing:						
Snap beans	4,203	.8	4,997	1.0	2,256	.4
Tomatoes	8,398	1.7	9,333	1.8	5,734	1.1
Miscellaneous Vegetables	22,726	4.5	25,356	4.9	24,112	4.8
ALL VEGETABLES	109,314	21.8	119,936	23.1	103,048	20.5
Fruits:						
Peaches	21,391	4.3	21,942	4.2	29,852	5.9
Apples	11,529	2.3	17,411	3.3	13,795	2.7
Blueberries	18,200	3.6	21,360	4.1	18,260	3.6
Strawberries	2,950	.6	2,563	.5	2,555	.5
Cranberries	9,485	1.9	13,806	2.7	10,904	2.2
Other fruits and berries	668	.1	743	.1	690	.1
ALL FRUITS AND BERRIES	64,223	12.8	77,825	15.0	76,056	15.1
Forest products	9,300	1.8	9,670	1.9	11,700	2.3
Greenhouse, nursery and sod	92,215	18.4	98,508	18.9	102,500	20.4
Mushrooms	368	.1	295	.1	367	.1
ALL CROPS	366,345	73.0	387,702	74.6	366,217	72.9
ALL COMMODITIES 2/	501,747	100.0	519,873	100.0	502,575	100.0

1/ Calendar year receipts, figures for 1982 and 1983, differ from U.S. Publication due to a revision.
2/ Individual percentages may not equal 100 percent due to rounding.
3/ The cash receipts figure for horses is estimated by N.J. Division of Markets, Equine Program.

NEW JERSEY: AVERAGE PRICES RECEIVED BY FARMERS, MONTHLY, 1978-1983

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
CORN (dollars per bushel)												
1978 1/.....	2.20	2.29	2.32	2.45	2.55	2.65	2.59	2.40	2.20	2.19	2.27	2.32
1979	2.36	2.41	2.48	2.56	2.69	2.82	3.15	3.09	3.08	2.82	2.84	2.93
1980	2.70	2.85	2.84	2.78	2.85	2.87	3.16	3.49	3.55	3.50	3.60	3.71
1981	3.82	3.78	3.72	3.75	3.78	3.64	3.65	3.30	2.85	2.62	2.53	2.43
1982	2.64	2.70	2.64	2.70	2.80	2.76	2.75	2.58	2.32	2.17	2.28	2.32
1983	2.46	2.67	2.85	3.15	3.22	3.32	3.42	3.89	3.85	3.72	3.69	3.60
WHEAT (dollars per bushel)												
1978 1/.....	2.26	2.38	2.44	2.63	2.58	2.55	2.89	3.02	3.13	3.02	3.08	3.10
1979	3.34	3.62	3.57	3.50	3.53	3.81	4.04	3.87	3.91	3.91	3.88	3.94
1980	3.85	4.10	3.89	3.73	3.70	3.60	3.89	4.04	4.18	4.31	4.20	4.20
1981	4.36	4.25	4.01	3.92	3.78	3.36	3.20	3.24	3.25	3.45	3.61	3.63
1982	3.52	3.59	3.42	3.50	3.50	3.15	3.14	3.00	2.98	2.97	2.98	3.08
1983	3.11	3.30	3.20	3.30	3.33	3.11	3.25	3.47	3.52	3.60	3.50	3.50
RYE (dollars per bushel)												
1978 1/.....	2.50	2.50	2.55	2.55	2.55	2.55	2.96	3.03	3.10	3.00	3.00	3.00
1979	2.75	2.75	2.75	2.75	2.75	2.75	3.00	3.10	3.01	3.22	3.25	3.10
1980	3.10	2.75	2.50	3.00	3.00	3.00	2.72	3.25	3.50	3.62	4.53	4.35
1981	4.35	4.35	4.20	4.20	4.20	4.20	3.08	3.37	3.35	3.51	3.48	4.00
1982	3.65	3.00	3.06	3.06	3.00	2/	-.--	-.--	-.--	-.--	-.--	-.--
SOYBEANS (dollars per bushel)												
1978 1/.....	5.55	5.40	6.25	6.80	7.05	6.50	6.05	5.85	5.95	6.25	6.20	6.25
1979	6.60	6.90	6.95	7.05	6.90	7.35	7.30	6.50	6.50	6.25	6.25	6.10
1980	6.00	6.25	6.05	5.75	5.65	5.70	7.20	7.20	7.90	8.18	8.43	7.33
1981	7.81	7.30	7.10	7.63	7.20	7.00	7.20	6.77	6.21	6.16	5.80	5.85
1982	5.93	6.07	5.93	6.20	6.32	6.13	6.11	5.79	5.33	5.19	5.37	5.30
1983	5.41	5.63	5.70	6.15	6.12	5.74	6.28	7.98	8.44	7.96	8.00	7.50
POTATOES (dollars per 100 pounds)												
1978 1/.....	--.--	--.--	--.--	--.--	--.--	--.--	5.50	3.40	3.55	4.10	4.70	4.60
1979	--.--	--.--	--.--	--.--	--.--	--.--	4.95	3.65	3.90	4.20	4.30	4.35
1980	--.--	--.--	--.--	--.--	--.--	--.--	9.80	6.95	8.90	9.30	9.35	9.80
1981	--.--	--.--	--.--	--.--	--.--	--.--	8.30	6.70	6.40	6.50	6.90	6.95
1982	--.--	--.--	--.--	--.--	--.--	--.--	5.35	5.10	5.10	5.10	4.70	--.--
1983	--.--	--.--	--.--	--.--	--.--	--.--	8.00	8.35	8.60	8.25	7.80	7.20
SWEET POTATOES (dollars per 100 pounds)												
1978 1/.....	14.60	13.80	15.60	17.30	16.90	17.90	20.90	--.--	17.10	14.90	14.60	14.10
1979	12.40	12.70	13.40	13.20	14.00	12.20	13.10	--.--	15.50	13.00	14.40	12.90
1980	11.90	14.60	12.80	13.90	12.70	12.00	11.50	--.--	15.80	13.70	13.40	12.70
1981	15.70	17.00	18.50	21.70	23.30	22.30	24.50	--.--	18.00	16.90	18.50	17.30
1982	16.50	14.40	13.50	14.00	14.60	15.80	15.00	--.--	12.50	9.00	10.30	11.20
1983	10.00	9.65	6.75	8.95	8.45	8.20	8.95	--.--	14.00	11.00	13.10	17.90

1/ In June 1976 publication of New Jersey monthly prices was discontinued by the USDA but assumed by NJDA.
2/ Monthly prices discontinued after May, 1982.

NEW JERSEY: AVERAGE PRICES RECEIVED BY FARMERS, MONTHLY, 1978-1983

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
ALFALFA HAY, baled (dollars per ton)												
1978 1/.....	87.50	91.50	92.00	94.00	100.00	84.00	84.50	84.00	83.00	85.00	83.00	79.00
1979	81.00	85.00	75.00	75.00	75.00	73.00	73.00	68.00	66.00	65.00	70.00	70.00
1980	75.00	75.00	74.00	76.00	74.50	67.00	73.50	81.50	87.80	92.00	82.00	100.00
1981	114.50	115.00	106.50	107.00	108.00	91.00	87.20	99.00	103.00	102.00	105.00	110.00
1982	108.00	120.00	130.00	130.00	133.00	125.00	115.00	112.00	113.00	107.00	109.00	115.00
1983	110.00	120.00	115.00	111.00	109.00	105.00	99.00	110.00	119.00	117.00	121.00	119.00
OTHER HAY, baled (dollars per ton)												
1978 1/.....	69.00	69.00	70.00	70.00	73.00	64.50	64.50	66.00	66.00	67.00	67.00	64.50
1979	61.50	61.50	57.50	54.50	51.00	46.00	42.00	47.00	52.00	50.00	55.00	55.00
1980	58.00	58.50	52.50	51.00	55.00	48.00	49.00	54.50	66.50	74.00	64.00	76.50
1981	83.50	80.00	80.00	77.00	75.00	72.00	74.00	74.00	76.00	78.00	82.00	90.00
1982	90.00	90.00	95.00	95.00	100.00	98.00	89.00	85.00	86.00	81.00	82.00	86.00
1983	85.00	90.00	90.00	86.00	85.10	88.00	88.00	88.20	93.00	96.00	96.00	96.00
ALL HAY (dollars per ton)												
1978 1/.....	79.00	81.50	82.10	83.00	88.00	75.00	75.50	75.90	75.50	77.00	76.00	72.50
1979	72.00	74.45	67.00	66.00	64.00	61.00	59.00	58.50	59.50	58.50	63.50	63.50
1980	66.50	67.00	63.50	63.50	64.50	57.50	61.25	68.00	77.25	83.00	73.00	88.25
1981	100.50	99.50	94.50	93.50	93.00	82.50	81.20	88.00	91.00	91.00	94.50	101.00
1982	100.00	101.00	108.00	108.00	112.00	108.00	98.00	94.80	96.00	90.00	92.00	96.50
1983	94.00	101.00	100.00	95.00	93.70	94.10	92.00	96.00	102.00	104.00	105.00	104.00
APPLES, fresh market (cents per pound)												
1978 1/.....	14.50	16.50	16.70	17.50	19.00	19.00	13.50	16.90	16.00	15.00	14.00	14.60
1979	15.50	16.00	16.00	16.40	17.00	17.00	15.40	15.80	15.00	13.80	14.10	14.10
1980	14.30	15.30	14.80	15.30	21.10	20.50	14.50	16.50	17.50	13.50	14.00	14.50
1981	16.00	13.50	15.00	15.00	14.50	16.00	15.00	16.70	16.30	17.20	19.50	19.50
1982	19.50	22.80	21.50	21.90	22.80	26.70	22.60	23.00	18.50	17.00	16.50	16.80
1983	16.30	16.20	18.50	17.60	17.90	16.00	16.40	18.10	13.60	16.10	17.40	17.40
PEACHES, fresh market (cents per pound)												
1978 1/.....	--.--	--.--	--.--	--.--	--.--	--.--	36.80	24.70	22.40	--.--	--.--	--.--
1979	--.--	--.--	--.--	--.--	--.--	--.--	16.40	16.80	18.60	--.--	--.--	--.--
1980	--.--	--.--	--.--	--.--	--.--	--.--	19.40	19.00	24.00	--.--	--.--	--.--
1981	--.--	--.--	--.--	--.--	--.--	--.--	15.90	22.00	30.60	--.--	--.--	--.--
1982	--.--	--.--	--.--	--.--	--.--	--.--	24.60	31.00	27.00	--.--	--.--	--.--
1983	--.--	--.--	--.--	--.--	--.--	--.--	39.30	25.80	19.40	--.--	--.--	--.--
CATTLE (dollars per 100 pounds)												
1978 /.....	26.80	30.30	32.10	35.00	38.50	40.10	41.30	38.50	39.30	39.90	40.90	42.50
1979	51.20	51.70	53.60	57.10	58.80	55.60	57.00	47.90	49.50	46.30	47.40	50.40
1980	50.90	51.10	51.80	49.00	45.10	47.70	48.40	48.30	49.80	45.80	46.30	45.11
1981	43.30	45.10	43.50	44.00	46.70	45.40	40.90	48.30	43.80	42.00	40.80	38.50
1982	39.80	40.20	41.20	42.90	46.50	46.80	43.70	43.50	44.20	41.70	41.70	41.30
1983	40.10	42.20	44.20	44.70	46.00	48.30	46.00	42.10	40.90	30.40	39.10	37.40

1/ In June 1976 publication of New Jersey monthly prices was discontinued by USDA but was assumed by NJDA.

NEW JERSEY: AVERAGE PRICES RECEIVED BY FARMERS, MONTHLY, 1978-1983

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
CALVES (dollars per 100 pounds)												
1978 1/.....	43.40	43.80	47.30	53.00	63.80	64.80	55.00	54.90	56.30	66.20	66.30	71.20
1979	81.40	85.10	94.90	97.00	108.90	102.20	99.00	90.00	93.00	101.60	93.00	96.40
1980	95.40	101.90	100.00	95.00	95.50	96.20	84.90	86.90	94.00	94.00	86.40	86.40
1981	86.40	86.40	78.50	78.90	97.20	93.20	93.80	89.50	85.00	84.00	76.00	73.50
1982	63.60	75.70	83.90	71.50	80.30	68.10	73.60	77.20	69.70	60.80	62.30	61.60
1983	58.00	63.80	65.90	70.00	76.50	83.00	70.00	67.00	60.00	56.50	54.50	58.50
HOGS (dollars per 100 pounds)												
1978 1/.....	41.50	42.90	42.90	43.10	47.80	43.80	44.80	46.30	46.40	45.80	44.80	45.80
1979	50.00	53.50	48.60	44.00	43.50	38.00	37.10	36.60	37.10	31.50	32.70	35.50
1980	36.80	36.00	30.90	27.50	27.70	29.80	37.30	46.50	45.00	40.50	40.10	42.80
1981	40.40	41.60	40.60	44.90	40.40	46.60	48.20	47.10	45.90	41.40	39.90	41.40
1982	46.40	50.30	49.30	56.40	56.20	61.70	61.60	59.60	58.10	52.80	54.40	53.70
1983	54.50	51.70	53.90	51.10	48.10	47.80	46.50	50.90	46.20	43.60	42.90	47.30
MILK COWS (dollars per head)												
1978 1/.....	705	700	705	710	715	720	760	760	760	795	795	825
1979	825	830	950	1,000	1,010	1,100	1,000	1,000	1,050	1,180	1,200	1,200
1980	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,250	1,260	1,280	1,300	1,320
1981	1,340	1,360	1,300	1,300	1,300	1,300	1,350	1,350	1,340	1,320	1,320	1,300
1982	1,300	----	----	1,250	----	----	1,300	----	----	1,200	----	----
1983	1,160	----	----	1,140	----	----	1,170	----	----	1,000	----	----
MILK, sold to plants (dollars per 100 pounds)												
1978 1/.....	10.70	10.70	10.60	10.50	10.40	10.40	10.60	11.20	11.60	12.00	12.20	12.30
1979	12.40	12.50	12.10	11.90	11.70	11.80	12.10	12.60	12.90	13.30	13.40	13.10
1980	13.20	13.20	13.00	12.90	12.70	12.70	13.00	13.30	13.70	14.20	14.40	14.40
1981	14.40	14.40	14.20	14.00	13.70	13.50	13.90	14.00	14.30	14.60	14.50	14.40
1982	14.40	14.10	14.00	13.60	13.40	13.30	13.30	13.90	14.10	14.20	14.20	14.30
1983	14.30	14.20	14.00	13.80	13.40	13.20	13.60	14.00	14.20	14.40	14.60	14.10
EGGS (cents per dozen)												
1978 1/.....	55.0	60.0	62.0	58.0	53.0	47.0	54.0	56.0	58.0	56.0	64.0	68.0
1979	69.0	66.0	74.0	65.0	61.0	63.0	57.0	60.0	59.0	55.0	62.0	68.0
1980	57.0	53.0	58.0	54.0	50.0	51.0	54.0	61.0	66.0	62.0	69.0	74.0
1981	69.0	66.0	64.0	69.0	62.0	58.0	62.0	62.0	68.0	71.0	73.0	68.0
1982	67.6	71.0	73.0	68.0	62.0	59.0	59.0	60.0	63.5	63.5	63.3	58.6
1983	53.1	58.1	66.4	72.7	72.7	70.8	63.8	69.6	70.0	70.6	81.0	98.3
CHICKENS, live 2/ (cents per pound)												
1978 1/.....	10.0	9.5	9.5	9.5	10.0	11.5	11.0	12.0	12.5	10.0	12.0	14.0
1979	15.5	16.5	17.5	15.5	17.0	14.5	13.0	11.0	11.0	11.0	10.5	11.5
1980	11.5	11.0	11.0	10.0	9.5	9.5	9.5	11.0	11.0	11.0	12.5	16.5
1981	12.5	13.0	13.0	10.0	9.5	9.5	8.6	9.2	11.9	10.3	11.0	12.0
1982	11.0	12.0	13.0	11.0	13.0	8.0	6.5	7.0	7.6	9.0	11.2	12.4
1983	9.9	11.7	10.9	11.5	12.2	12.2	20.0	19.9	21.4	27.3	23.6	23.6

1/ In June 1976 publication of New Jersey monthly prices was discontinued by USDA but was assumed by NJDA.
2/ Includes farm and commercial operations, but excludes meat-type chickens.

NEW JERSEY: AVERAGE PRICES PAID BY FARMERS FOR FEED, MONTHLY, 1978-1983

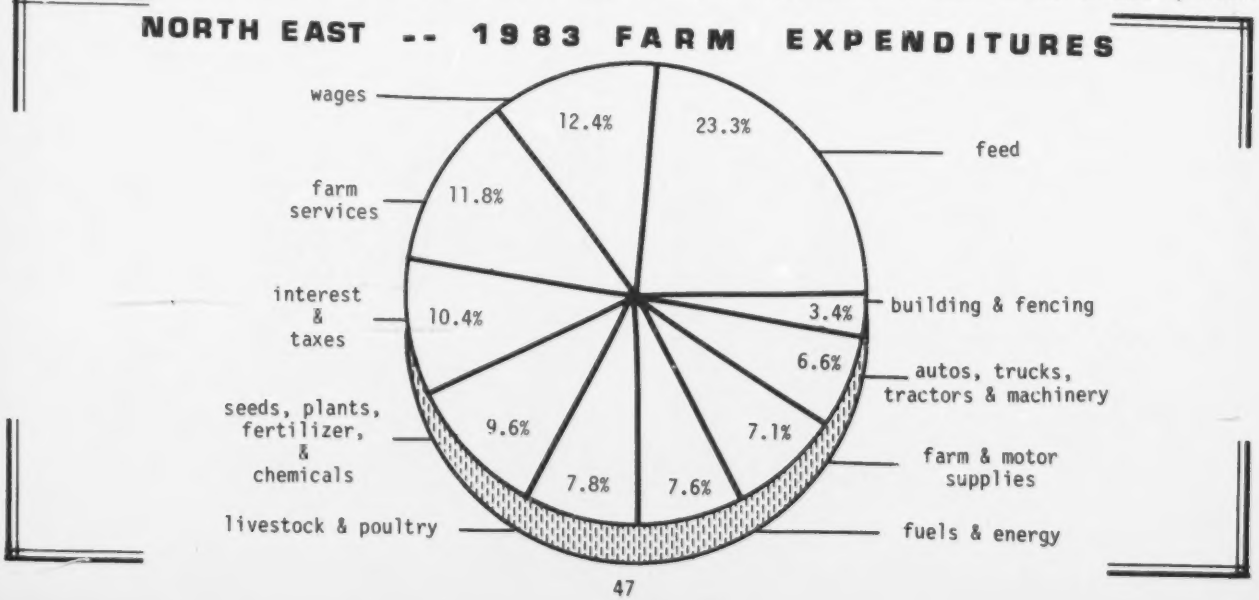
Year	Jan. 15	Feb. 15	Mar. 15	Apr. 15	May 15	June 15	July 15	Aug. 15	Sept. 15	Oct. 15	Nov. 15	Dec. 15
LAYING FEED (dollars per ton)												
1978	140.00	132.00	140.00	151.00	145.00	147.00	144.00	160.00	150.00	150.00	153.00	143.00
1979	141.00	138.00	147.00	155.00	163.00	167.00	175.00	170.00	188.00	179.00	162.00	178.00
1980	178.00	170.00	171.00	176.00	181.00	200.00	190.00	185.00	196.00	215.00	225.00	215.00
1981	205.00	210.00	205.00	205.00	210.00	215.00	205.00	210.00	195.00	191.00	188.00	195.00
1982	190.00	193.00	186.00	175.00	180.00	183.00	174.00	172.00	171.00	175.00	170.00	174.00
1983	175.00	175.00	183.00	205.00	200.00	197.00	194.00	199.00	220.00	215.00	210.00	210.00
BROILER GROWER (dollars per ton)												
1978 1/.....	174.00	172.00	176.00	178.00	179.00	184.00	178.00	177.00	175.00	178.00	180.00	195.00
1979	200.00	200.00	195.00	190.00	190.00	185.00	190.00	190.00	195.00	195.00	195.00	205.00
1980	205.00	205.00	205.00	195.00	199.00	188.00	193.00	200.00	215.00	215.00	225.00	220.00
1981	230.00	235.00	220.00	225.00	235.00	235.00	230.00	235.00	220.00	220.00	200.00	220.00
1982	205.00	210.00	210.00	196.00	210.00	203.00	237.00	262.00	178.00	202.00	193.00	180.00
1983	235.00	201.00	235.00	255.00	204.00	204.00	208.00	208.00	230.00	306.00	294.00	227.00
CHICK STARTER FEED (dollars per ton)												
1978 1/.....	180.00	177.00	181.00	188.00	186.00	189.00	189.00	184.00	184.00	184.00	186.00	200.00
1979	205.00	205.00	200.00	200.00	200.00	195.00	200.00	197.00	200.00	200.00	195.00	205.00
1980	210.00	205.00	205.00	200.00	199.00	210.00	197.00	215.00	235.00	235.00	240.00	245.00
1981	245.00	245.00	235.00	240.00	255.00	250.00	235.00	235.00	215.00	235.00	210.00	220.00
1982	210.00	215.00	220.00	210.00	220.00	210.00	202.00	223.00	199.00	197.00	193.00	194.00
1983	205.00	206.00	218.00	230.00	225.00	225.00	218.00	229.00	239.00	245.00	242.00	243.00
TURKEY GROWER FEED (dollars per ton)												
1978 1/.....	188.00	182.00	189.00	192.00	192.00	197.00	195.00	188.00	186.00	187.00	188.00	205.00
1979	210.00	210.00	205.00	205.00	210.00	200.00	210.00	210.00	215.00	215.00	210.00	215.00
1980	215.00	215.00	215.00	215.00	210.00	215.00	220.00	235.00	260.00	245.00	260.00	265.00
1981	265.00	265.00	255.00	265.00	260.00	265.00	250.00	250.00	240.00	240.00	220.00	230.00
1982	240.00	235.00	235.00	225.00	230.00	232.00	236.00	233.00	232.00	222.00	225.00	220.00
1983	235.00	226.00	233.00	246.00	253.00	251.00	246.00	253.00	276.00	273.00	272.00	269.00
MIXED DAIRY FEED, 16 percent protein (dollars per ton)												
1978	141.00	139.00	141.00	156.00	156.00	141.00	141.00	141.00	148.00	137.00	145.00	150.00
1979	148.00	160.00	154.00	152.00	148.00	157.00	159.00	158.00	159.00	167.00	166.00	165.00
1980	175.00	166.00	167.00	175.00	177.00	174.00	174.00	188.00	197.00	199.00	200.00	205.00
1981	205.00	210.00	200.00	205.00	210.00	210.00	197.00	198.00	188.00	187.00	191.00	192.00
1982	195.00	191.00	191.00	183.00	189.00	188.00	185.00	184.00	178.00	183.00	174.00	183.00
1983	187.00	186.00	181.00	195.00	195.00	194.00	197.00	200.00	200.00	200.00	215.00	215.00
VALUE OF CONCENTRATES FED DAIRY COWS (dollars per 100 pounds)												
1978	6.70	6.60	6.60	7.10	7.10	6.85	6.80	6.75	7.05	6.70	7.00	7.25
1979 2/	7.15	--.--	--.--	7.30	--.--	--.--	7.60	--.--	--.--	7.90	--.--	--.--
1980	8.00	--.--	--.--	8.20	--.--	--.--	8.20	--.--	--.--	8.50	--.--	--.--
1981	10.00	--.--	--.--	9.70	--.--	--.--	9.70	--.--	--.--	9.00	--.--	--.--
1982	8.90	--.--	--.--	8.90	--.--	--.--	9.10	--.--	--.--	8.70	--.--	--.--
1983	8.80	--.--	--.--	8.70	--.--	--.--	8.80	--.--	--.--	9.40	--.--	--.--
BEEF CATTLE CONCENTRATE, 30 percent protein and over (dollars per 100 pounds)												
1978	9.60	9.50	9.60	9.60	9.60	9.70	9.70	9.60	9.50	9.50	9.70	10.50
1979	10.50	10.50	10.90	10.50	10.50	10.50	11.00	11.00	11.00	11.00	11.00	11.50
1980	11.00	11.00	11.00	11.50	11.50	11.50	11.50	11.50	11.00	12.50	11.80	12.90
1981	12.80	13.00	12.00	13.00	12.30	13.10	11.50	11.60	11.60	12.60	11.50	12.00
1982	11.50	11.50	12.00	11.50	12.00	12.00	11.50	11.90	12.00	11.00	11.00	11.70
1983	12.00	11.60	11.60	11.40	11.30	11.40	12.70	12.40	12.60	13.00	13.70	13.70

1/ In January 1977 publication of monthly prices was discontinued by USDA but was assumed by the NJDA.
2/ Data available only quarterly beginning in 1979.

NEW JERSEY: AVERAGE PRICES PAID BY FARMERS FOR FEED, MONTHLY, 1978-1983

Year	Jan. 15	Feb. 15	Mar. 15	Apr. 15	May 15	June 15	July 15	Aug. 15	Sept. 15	Oct. 15	Nov. 15	Dec. 15
MIXED HOG FEED, 14-18 percent protein (dollars per 100 pounds)												
1978	8.00	8.20	8.20	8.30	8.30	8.30	8.70	8.50	8.20	8.40	8.40	8.30
1979	8.30	8.50	8.60	8.60	8.50	8.90	8.90	8.90	9.20	9.50	9.30	9.60
1980	9.90	9.40	10.00	10.00	10.00	10.00	9.90	10.50	11.50	11.00	11.50	11.50
1981	11.50	11.50	11.50	11.50	12.00	11.50	11.50	11.00	11.00	11.00	10.50	10.50
1982	10.50	11.00	10.00	10.50	11.00	11.00	10.50	10.50	10.50	9.90	10.00	9.80
1983	10.00	10.50	10.00	11.00	11.50	11.00	11.00	11.50	12.00	11.50	12.50	12.00
COTTONSEED MEAL, 41 percent protein (dollars per 100 pounds)												
1978 1/.....	12.00	12.00	12.50	12.50	12.50	12.50	12.50	12.00	12.50	12.50	12.50	12.50
1979	12.50	12.50	12.70	12.70	12.50	13.00	14.00	14.00	14.00	14.00	13.50	14.00
1980	13.00	13.00	13.00	14.00	13.50	13.50	14.00	14.50	15.00	15.00	15.30	15.50
1981	15.30	15.30	15.30	15.30	15.30	15.30	16.50	16.50	16.50	16.50	15.00	16.50
1982	16.50	16.50	16.00	16.00	16.50	16.50	16.50	16.50	16.50	18.00	18.00	16.50
1983	16.50	16.50	18.25	19.25	16.25	16.80	16.40	18.40	16.80	16.80	18.40	16.80
SOYBEAN MEAL, 44 percent protein (dollars per 100 pounds)												
1978	13.50	13.00	13.50	14.00	15.00	15.00	14.50	15.00	14.00	14.50	14.00	14.50
1979	15.50	14.50	15.00	15.50	14.50	15.50	15.50	16.00	15.00	16.00	15.00	15.50
1980	15.50	15.50	15.00	13.50	13.50	14.00	14.00	15.00	16.00	16.50	18.50	18.00
1981	17.50	17.00	16.50	16.50	17.00	16.00	16.50	16.50	16.00	15.50	15.50	15.50
1982	15.00	15.00	15.00	15.00	15.50	15.50	15.50	15.00	15.00	14.00	14.50	15.50
1983	14.50	15.00	14.50	15.00	15.50	15.00	15.50	16.50	16.50	17.00	17.00	17.50
CORN MEAL (dollars per 100 pounds)												
1978	6.70	7.00	6.70	6.70	6.90	7.00	7.20	6.80	6.60	6.50	6.60	6.70
1979	6.70	6.80	7.10	6.90	7.00	7.00	7.70	7.70	7.70	7.80	7.90	7.70
1980	7.50	8.00	7.60	8.30	8.40	8.90	9.00	9.60	9.60	9.70	9.40	9.70
1981	9.60	10.50	10.00	10.00	11.00	10.50	10.50	10.50	10.00	9.80	9.50	9.50
1982	8.90	8.90	9.60	9.00	9.40	9.90	10.00	9.10	8.60	8.90	8.70	9.00
1983	8.70	9.10	9.20	9.60	10.00	9.90	10.00	10.50	10.50	10.50	11.00	10.50
BRAN (dollars per 100 pounds)												
1978	8.10	8.10	8.20	8.30	8.40	8.40	8.50	8.90	8.40	8.30	8.10	8.30
1979	8.50	8.40	8.30	8.70	8.70	8.80	9.10	9.40	8.90	9.30	9.10	9.30
1980	9.80	9.40	9.50	9.40	9.70	9.60	9.40	9.90	10.50	11.00	11.00	11.50
1981	12.50	11.50	11.00	11.50	11.50	11.00	11.00	11.00	11.00	10.50	11.00	11.00
1982	11.00	10.50	10.50	11.00	11.50	11.00	10.50	11.00	10.50	10.50	10.50	11.00
1983	11.00	11.50	10.50	11.00	11.50	11.00	11.00	11.00	11.50	11.50	12.00	12.00

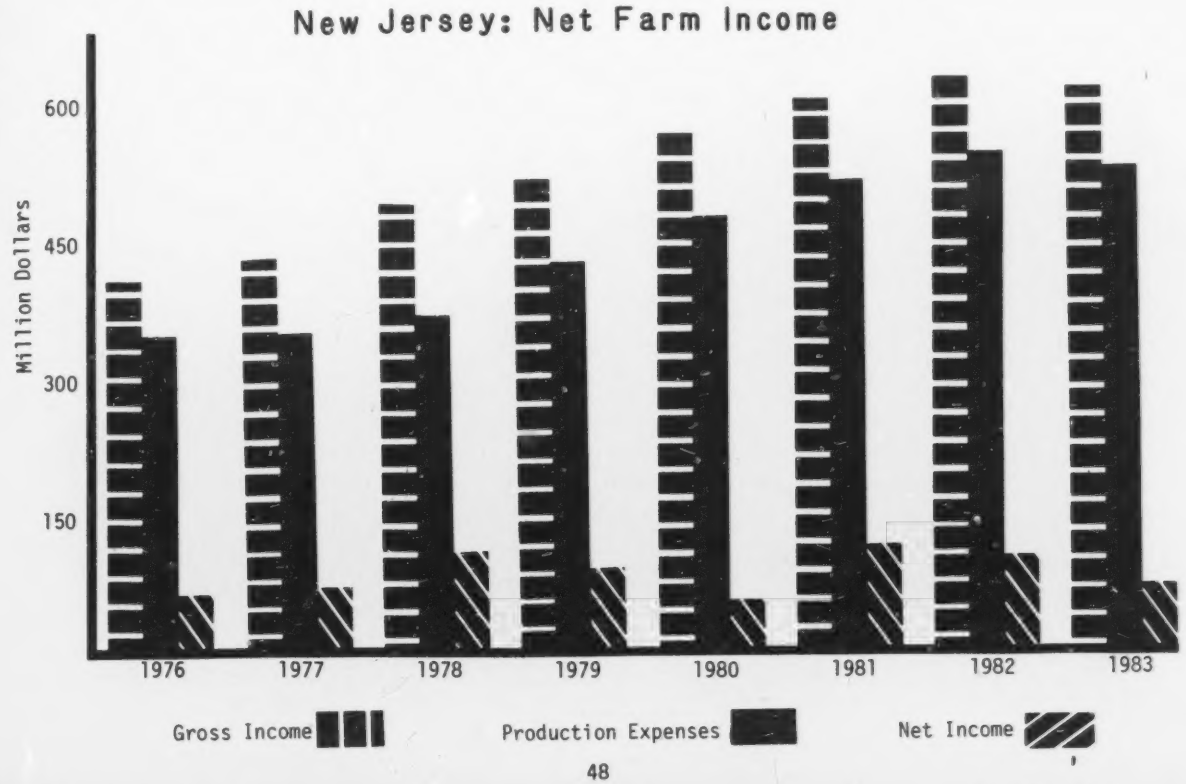
1/ In January 1977 publication of New Jersey monthly prices was discontinued by USDA but was assumed by NJDA.



NEW JERSEY: ANNUAL AVERAGE PRICES PAID BY FARMERS, SELECTED ITEMS AND YEARS, 1979-1983 1/

	1979	1980	1981	1982	1983
	-- dollars --				
BUILDING AND FENCING MATERIALS:					
Dressed boards, No. 2 and better, per 1,000 bd. ft. ...	765	834	879	844	878
Shingles, asphalt, mineral surface, 240 lb.	27.05	31.13	31.58	30.88	30.72
Roofing, galvinized (steel) 28-29 ga. per 100 sq. ft. .	41.33	45.13	48.07	49.12	50.25
Nails, 8d, common, per lb.	.576	.653	.701	.719	.714
Portland cement, per 94 lb. net	4.27	4.78	5.12	5.39	5.69
Concrete blocks, 8"x8", 16" per 100	60.82	69.67	75.33	77.68	78.60
Field and stock fence, 6" stay, 32" high, per 20 rod roll	76.10	90.25	92.93	96.30	94.93
Post, steel, (line fence), each	2.81	3.23	3.62	3.60	3.54
MOTOR FUEL AND SUPPLIES:					
Gasoline, regular, bulk delivery, per gallon	.786	1.142	1.283	1.183	1.116
Diesel fuel, per gallon	.708	1.018	1.217	1.150	1.063
Truck tires, 7.50 x 20, 10 ply, each 2/	127.50	155.00	175.00	181.25	172.50
Spark plugs, each	1.80	1.80	1.98	2.00	2.08
Anti-freeze, permanent, per gallon	5.10	5.40	5.70	5.85	5.60
FARM MACHINERY AND SUPPLIES:					
Wheel type farm tractors, 50-59 belt h.p., each	12,367	13,700	15,400	16,700	17,600
Moldboard plow, 3 bottoms, one-way each	1,675	1,895	2,165	2,315	2,420
Farm wagon (without box), less tires, each	720	801	834	877	920
Hand sprayer, pressure, 3-4 gal. capacity, each	25.00	27.75	31.85	31.95	34.35
Nail hammer, with handle, each	9.58	11.40	13.25	13.85	14.80
Adjustable end wrench, each	8.64	9.45	10.38	10.93	11.53
FERTILIZER, per ton:					
5-10-10	120.50	146.00	159.75	161.25	150.00
10-10-10	135.00	163.00	177.50	177.50	163.25
Ammonium nitrate, 33.5% N	171.75	199.00	223.75	232.50	220.25
Urea, 45-46% N	208.75	255.75	270.75	269.75	243.50

1/ All data is an average for the Northeastern States for building and fencing materials, farm machinery and supplies and fertilizer. Motor fuel and supply estimates are for New Jersey.
2/ 1979, 1980, 1981 1982 and 1983 estimates are for Truck tires, 9.00 x 20, 10 ply, each.



NEW JERSEY AND U.S.: VALUE OF EXPORT SHARES OF AGRICULTURAL COMMODITIES, FISCAL YEARS 1980-83 1/

Year	Wheat, Rice and Feed Grains 2/	Soybeans and Products 3/	Fruits and Preps	Vegetables and Preps	Animals, Meats and Products 4/	Poultry and Products	Dairy Products	Other	Total
				-- million dollars --					
				New Jersey					
1980.....	--	23.1	7.0	5.9	3.0	.5	.2	2.2	41.9
1981.....	--	15.7	8.1	8.9	4.1	.9	.6	2.3	40.6
1982.....	--	20.5	7.5	8.9	4.6	.7	.5	2.3	45.0
1983.....	--	14.6	7.4	6.1	6.0	--	.7	2.4	37.2
				United States					
1980.....	17,580.3	8,587.8	1,299.7	954.3	2,141.4	546.5	156.3	9,215.1	40,481.4
1981.....	20,737.9	8,042.3	1,513.2	1,445.7	2,182.0	765.2	237.7	8,856.1	43,780.1
1982.....	16,508.2	8,429.9	1,394.1	1,442.1	2,251.5	579.0	367.8	8,121.9	39,094.5
1983.....	14,440.2	7,776.4	1,374.3	989.4	2,187.3	451.1	348.0	7,204.5	34,771.2

1/ The export shares for New Jersey were derived from the State's contribution to national output. They do not show actual State exports, but instead reflect the prorated stake in the national export total.
2/ Includes rice, corn, barley, oats, grain sorghum and other grain products.
3/ Soybeans, soybean meal and soybean oil.
4/ Includes hides, skins and mink pelts.

Source: Foreign Agricultural Trade of the United States, USDA, Economic Research Service, May/June 1984.

United States Exports

United States agricultural exports in fiscal year 1983 (October 1, 1982 through September 30, 1983) fell 11 percent in value to $34.8 billion. This is the second consecutive decline after 12 consecutive years of increases. This drop is due in part to sluggish world demand, improved crop production abroad, more intense competition for import markets, and higher exchange rates for the U.S. dollar. The volume of U.S. agricultural exports fell 8 percent to 145 million metric tons in fiscal year 1983, while export prices, on average, were also moderately lower. Competition from other exporters intensified, with a resultant loss in market shares in wheat, rice, cotton, soybeans and soybean meal.

The two largest U.S. wheat markets in recent years -- China and the U.S.S.R. -- did not buy U.S. wheat between January 1, 1983 and September 30, 1983. The U.S. wheat exports fell 15 percent in fiscal year 1983. U.S. feed grain exports fell 7 percent since last year and 18 percent since the peak in fiscal year 1981. The U.S. share of the world coarse grain market in fiscal year 1983 was 60 percent compared to the peak of 72 percent in fiscal year 1980. U.S. soybean and products export value fell 8 percent in fiscal year 1983. Total U.S. agricultural exports as a share of total U.S. farm production (based on cash marketings) fell to 22 percent in fiscal year 1983 from 24 percent the previous year. This decline resulted from a reduction in U.S. exports while domestic production increased. In fiscal year 1983, however, grain production outside the U.S. was also at record levels, thereby limiting demand for U.S. products. While there is a declining trend in total value of U.S. agricultural exports since fiscal year 1982, the volume of major U.S. exports at 144.7 million metric tons in fiscal year 1983 is still quite substantial.

NEW JERSEY: NUMBER OF FARMS, LAND-IN-FARMS AND AVERAGE SIZE OF FARMS, 1976-1984 1/

Year	Number of Farms		Land-in-Farms		Average Size of Farm	
	New Jersey	United States	New Jersey	United States	New Jersey	United States
	-- number --		-- 1,000 acres --		-- acres --	
1976	8,900	2,497,270	1,020	1,054,075	115	422
1977	8,600	2,455,830	1,000	1,047,785	116	427
1978	9,000	2,436,250	1,040	1,044,790	116	429
1979	9,600	2,432,300	1,030	1,042,015	107	428
1980	9,400	2,432,510	1,020	1,038,885	109	427
1981	9,500	2,433,920	1,030	1,034,190	108	425
1982	9,500	2,400,550	1,020	1,027,795	107	428
1983	9,500	2,370,200	1,000	1,024,195	105	432
1984 2/.....	9,400	2,332,600	970	1,019,503	103	437

1/ A farm is defined as a place having annual sales of Agricultural products of $1,000 or more.
2/ Preliminary.

NEW JERSEY: FERTILIZER CONSUMPTION BY KINDS AND PRIMARY NUTRIENTS, YEAR ENDED JUNE 30, 1976-1983

Mixtures and materials for direct application	1976	1977	1978	1979	1980	1981	1982	1983
	-- tons --							
Mixed fertilizer	173,728	183,616	152,109	160,171	161,361	160,943	161,846	131,010
DIRECT APPLICATION MATERIALS:								
Chemical nitrogen								
Anhydrous ammonia	215	149	156	164	210	315	431	405
Ammonium nitrate	4,424	520	2,575	3,004	3,360	3,243	3,228	745
Ammonium sulfate	230	37	25	303	16	481	398	118
Nitrogen solutions	6,257	4,710	3,771	4,945	5,860	7,495	9,283	5,577
Sodium nitrate	620	496	448	754	623	643	388	88
Urea	3,384	1,188	5,836	5,541	4,177	5,199	4,774	2,877
Other	804	1,978	1,267	1,315	1,802	1,629	2,244	806
Phosphates								
Superphosphates, 22 percent or under	314	218	46	45	164	1,085	52	12
Superphosphates, over 22 percent ...	1,100	1,234	926	1,481	1,359	778	676	530
Phosphate rock 1/	71	11	3	--	10	121	3	--
Ammonium phosphates 1/	301	1	416	64	228	86	288	3
Other	578	3,750	530	287	284	344	412	1,191
Potash								
Chloride, 50-62 percent	4,337	5,608	6,025	5,278	6,776	5,081	4,957	3,049
Other	356	391	289	612	788	390	328	221
Natural organics	6,881	5,383	6,584	10,508	8,611	8,477	7,456	8,049
Secondary nutrients	3,185	5,901	4,014	1,956	3,201	1,960	2,819	2,077
TOTAL MIXED FERTILIZER AND MATERIALS	206,785	215,191	185,020	196,428	198,830	198,270	199,583	156,758
PRIMARY NUTRIENTS:								
N	25,289	24,586	23,225	25,025	24,983	26,649	26,756	20,973
Available P_2O_5	19,632	21,523	17,505	18,848	18,556	17,859	18,077	14,999
K_2O	21,292	23,170	20,987	22,011	22,818	21,054	21,728	16,695
TOTAL PRIMARY	66,212	69,279	61,718	65,884	66,357	65,562	66,561	52,667

1/ Includes collodial phosphate.

SOURCE: Compiled by SRS, USDA, through cooperation of NJDA, Division of Agricultural Chemistry and the fertilizer industry.

NEW JERSEY: NUMBER CERTIFIED NURSERIES AND ACRES IN NURSERY STOCK, 1980-1983

County	Number of certified nurseries				Acreage in nursery stock			
	1980	1981	1982	1983	1980	1981	1982	1983
NORTH DISTRICT:								
Bergen	102	103	99	90	293	251	274	249
Essex	19	18	18	14	27	28	28	35
Hunterdon	55	58	63	63	600	608	645	718
Morris	61	70	69	62	191	196	209	196
Passaic	26	26	28	26	128	66	89	66
Somerset	54	54	57	55	347	383	396	379
Sussex	24	27	25	28	141	175	155	201
Union	22	23	20	21	38	38	37	39
Warren	13	18	20	18	45	53	56	60
CENTRAL DISTRICT:								
Burlington	56	62	71	69	479	468	547	689
Mercer	49	47	50	48	398	382	389	457
Middlesex	64	61	66	60	1,679	1,576	1,665	1,213
Monmouth	130	128	126	129	3,475	3,662	3,669	4,346
Ocean	23	21	25	25	49	58	66	75
SOUTH DISTRICT:								
Atlantic	48	46	46	43	470	366	363	388
Camden	25	27	27	27	106	107	97	98
Cape May	9	9	10	10	142	59	64	63
Cumberland	77	82	93	92	1,059	901	1,068	1,107
Gloucester	80	84	86	80	1,438	1,429	1,448	1,480
Salem	33	32	32	32	527	527	527	537
STATE	970	996	1,031	992	11,632	11,333	11,822	12,396

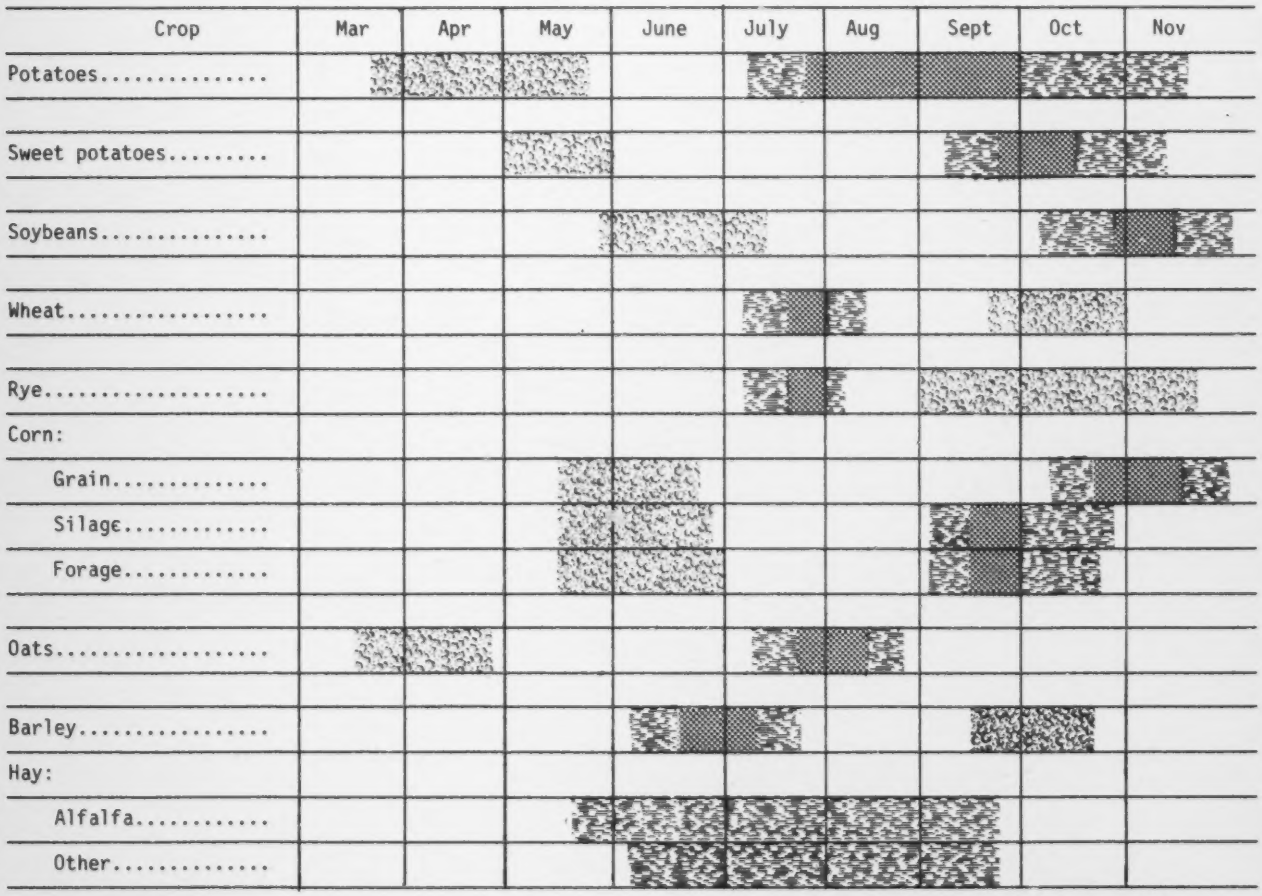
SOURCE: Division of Plant Industry, New Jersey Department of Agriculture.

NEW JERSEY: VEGETABLES, FRUIT AND BERRIES, UNIT OF SALE, AVERAGE WEIGHT AND NUMBER OF PACKAGES USED IN CONVERTING TO CARLOT EQUIVALENTS

Crop	Unit of sale	Average weight per unit	Packages per carlot equivalent	
			In units	In hundredweight
		-- pounds --	-- number --	
Asparagus	Crate, 12 bunches	30	1,050	315
Beans, lima	Bushel	32	850	272
Beans, snap	Bushel	30	850	255
Beets, topped	Bushel	50	700	350
Broccolli	Crate, 12-14 bunches	21	900	189
Cabbage	Crate or sack	50	600	300
Carrots, topped	Bushel	50	1,000	500
Cauliflower	Crate	50	400	200
Celery	Crate, 3-4 dozen	60	600	360
Corn, sweet	Crate, 50 ears	42	725	305
Cucumbers	Bushel	48	700	336
Eggplant	1-1/9 bushel crate	33	750	248
Escarole, endive	1-1/9 bushel crate	28	850	238
Lettuce	Crate, 24 heads	43	825	355
Onions, dry	Sack	50	800	400
Peppers	Bushel	30	850	255
Spinach	Bushel	20	850	170
Tomatoes	Flat	30	2,000	400
Potatoes	Sack	100	500	500
Sweet potatoes	Bushel	50	600	300
Apples	Bushel or carton	44	900	396
Peaches	3/4 bushel or carton	38	900	342
Strawberries	Crate, 16 quarts	24	600	144
Blueberries	Crate, 12 pints	11	1,400	154

SOURCE: Fruit and Vegetable Market News Service, AMS, U.S. Department of Agriculture.

NEW JERSEY: FIELD CROPS, USUAL PLANTING AND HARVESTING DATES



REPORTS ISSUED BY THE N.J. CROP REPORTING SERVICE

Current estimates of many data items included in this publication are available from the New Jersey Crop Reporting Service at various times throughout the year. The table below indicates the months data are available. Current data may be obtained by calling the Crop Reporting Service. The six separate mailing lists are: (1) Farm Facts, (2) Weekly Weather Crop, (3) New Jersey Agricultural Statistics, (4) Farm Numbers, (5) Annual Vegetable Summary, (6) Fertilizer Report. Reports are available free of charge to farmers and agri-business firms who provide the basic data on which reports are based. Within availability constraints, a copy of New Jersey Agricultural Statistics is available to New Jersey residents without charge. An order form may be obtained by calling (609-292-6385) or writing the Crop Reporting Service.

REPORT	ANTICIPATED RELEASE DATE FROM TRENTON				
FIELD CROPS:					
CORN	Jan	June	Aug		
SOYBEANS	Jan	June	Aug		
WHEAT	May	June	July	Dec	
POTATOES	Jan	June	July	Aug	Sept
SWEET POTATOES	Jan	June	Aug	Sept	Oct
GRAIN STOCKS 1/	Jan	Apr	June	Oct	
FRUIT AND BERRIES:					
APPLES	Jan	July	Aug	Oct	
PEACHES	Jan	June	July	Aug	
BLUEBERRIES	July	Oct			
CRANBERRIES	Jan	Aug			
STRAWBERRIES	Apr	June	Sept		
VEGETABLES:					
SWEET CORN AND TOMATOES	July	Dec			
LETTUCE	Apr	July	Oct	Dec	
ONIONS	May	July	Aug	Dec	
PROCESSING VEGETABLES	Mar	June	Aug	Sept	Dec
WEEKLY DIGEST	WEEKLY: April Through October				
LIVESTOCK AND DAIRY:					
MILK PRODUCTION	Jan	Apr	July	Oct	
EGG PRODUCTION	January Through December				
LIVESTOCK SLAUGHTER	January Through December				
LIVESTOCK INVENTORIES	ANNUALLY: January and December				
COLD STORAGE	January Through December				
FARM PRICES AND INCOME:					
PRICES PAID AND RECEIVED BY FARMERS	Monthly				
CASH RECEIPTS AND FARM INCOME	September				
FERTILIZER	May and November				
MUSHROOMS	August				
NUMBER OF FARMS, LAND IN FARMS	August				
PLANTING INTENTIONS	February				
ANNUAL SUMMARIES: FIELD CROPS, FRUITS AND VEGETABLES	January				
NJ AGRICULTURAL STATISTICS (INCLUDES COUNTY DATA)	October				

1/ Fall soybean stocks reported separately in September and excluded from the October report for other grains.

HIGHLIGHTS OF THE 1983 - 84 ANNUAL REPORT

NEW JERSEY DEPARTMENT OF AGRICULTURE

OFFICE OF THE SECRETARY

ARTHUR R. BROWN JR. Secretary of Agriculture

WILLIAM E. KENNY, Assistant Secretary

STATE BOARD OF AGRICULTURE

The State Board of Agriculture is New Jersey's highest official agricultural body and is responsible for establishing policies for the New Jersey Department of Agriculture. Its eight members assign functions and duties to the various department units and, through the Secretary of Agriculture, supervise and control Department performance.

All board members are elected by the delegates to the annual State Agricultural Convention in January and are subsequently nominated to the board by the Governor. All members must be confirmed by the State Senate.

Gary Mount, a Princeton, Mercer County, fruit grower, was elected president of the State Board of Agriculture by its members in October 1983. Robert K. Dobbs, a grain and vegetable grower from Voorhees, Camden County, was elected vice president. David A. Meirs, a Cream Ridge, Monmouth County, horse breeder and owner, was sworn into a four-year term at board ceremonies in July 1983, and Tabernacle, Burlington County, vegetable farmer Anthony Russo, Jr. was sworn in during the October ceremonies. Hammonton, Atlantic County, vegetable and fruit grower David M. Rizzotte Jr., and grain farmer Harold O. Farrand of Long Valley, Morris County, were elected to the 1984-85 board at the 1983 January convention.

Other 1983-84 board members were:
Raymond L. Blew Jr., nurseryman, Bridgeton (Cumberland)
Donald F. Pyle, vegetable grower, Wall, (Monmouth)
Norman J. Schnetzer, dairy farmer, Asbury (Warren)
William G. Stoyko, vegetable grower and greenhouse operator, Sewell (Gloucester)

The board convened 13 times in FY 1983-84 and conducted field trips to the Vineland produce auction, the shellfish laboratory at Port Norris, and the research farm of Merck, Sharp and Dohme in Branchburg.

FARMERS WEEK

The 113th New Jersey Farmers Week was held from January 21-28. The week featured the State Agricultural Convention and the General Session, which highlighted computer use on the farm, both at the Cherry Hill Inn.

"The Newest Farm Implement...a Computer," presented by the Department, the Cook College, Rutgers University Cooperative Extension Service and county agricultural agents, focused on the impact of technological change in the agricultural industry, and gave farmers and others an opportunity for a "hands on" introduction to computer programming.

The event also featured the unveiling of the Department's "Jersey Fresh" marketing and advertising campaign for New Jersey farm products. Announced at the New Jersey Marketing Institute, the first state-funded promotional campaign of radio advertising, billboards and in-store promotion, received the enthusiastic support of the farm community.

These activities were among 30 events scheduled throughout Farmers Week, when many of New Jersey's major agricultural organizations hold official meetings and dinners.

THE 1983 - 84 STATE BOARD OF AGRICULTURE

Top row, left to right, Raymond L. Blew, Donald F. Pyle, William G. Stoyko, and David A. Meirs. Bottom row, left to right, Gary Mount, president; Robert K. Dobbs, vice president; Secretary Brown, Norman J. Schnetzer, and Anthony Russo, Jr.

DROUGHT ASSISTANCE

Through the efforts of the Secretary of Agriculture and the Governor, farmers in 12 counties were eligible for low-interest federal loans to offset losses suffered from a prolonged drought and heatwave during the summer of 1983.

Farmers in Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Hunterdon, Mercer, Middlesex, Monmouth, Salem, and Somerset counties sustained crops losses valued at $46 million. The loans, provided by the Farmers Home Administration, were approved by U.S. Secretary of Agriculture John Block at the request of the Governor.

PUBLIC INFORMATION

One fulltime public information officer is assigned to the Department from the Office of Public Communications, Department of the Treasury. Major information initiatives included New Jersey Farmers Week, the State Agricultural Convention, The New Jersey Marketing Institute, and Agriculture Day in New Jersey. Department programs in farmland preservation, plant pest disease control, animal disease surveillance and prevention, soil erosion and agricultural marketing were promoted extensively. A total of 119 press releases and editorials were issued during the fiscal year.

LEGISLATIVE SUMMARY

The following legislation of interest to New Jersey agriculture was enacted in Fiscal Year 1983:

Chapter 32, 1983, (S-867) -- The Agriculture Retention and Development Act.
Chapter 31, 1983, (S-854) -- The Right to Farm Act.
Chapter 160, 1983, (S-866) -- Brucellosis Indemnification Appropriation.
Chapter 179, 1983, (S-868) -- The Disposal Plant Act.
Chapter 216, 1982, (S-1410) -- The Milk Case Recovery Act.
Chapter JR-8, 1982, (AJR-21) -- Coastal Bay Clam Resources Task Force.
Chapter 178, 1982, (A-664) -- The Food Bank Good Samaritan Act.
Chapter 72, 1982, (A-1126) -- Farmland Assessment Application Filed by Mail.
Chapter 176, 1982, (A-1855) -- New Jersey Wine Shipment Act.

Chapter 32, provided for the establishment of State and County organizations to coordinate the development of farmland preservation programs and appropriated $10 million for the purchase of development easements on farmland.

Chapter 31, established a State Agriculture Development Committee to minimize complaints about agricultural activities.

Chapter 160, appropriated $61,614 to indemnify brucellosis infected cattle resulting from an outbreak in South Jersey.

Chapter 179, provided for the regulation and disposition of bodies of dead animals. This was a disease control effort.

Chapter 216, provided a mechanism for milk dealers and handlers to recapture milk cases.

Chapter JR-8, created a task force to expedite development of marine resources.

Chapter 178, provided immunity to persons and organizations involved in the acquisition and distribution of donated foods to the needy.

Chapter 72, provided that farmland assessment applications filed by mail shall be considered as timely if mailed on or before the statutory deadline.

Chapter 176, permits the shipment of New Jersey produced wine sold at retail to customer's homes or elsewhere within the state.

Chapter 103, 1983, (A-1601) -- Animal Exhibition -- Prohibits the exhibition of animals in shopping malls except when under the management of a livestock association, 4-H or vocational agricultural program.

VIOLATIONS

The Department's Office of Hearing and Administrative Practices collected $14,350 in penalties resulting from 206 violations of New Jersey egg, feed, fertilizer, lime, and potato labeling laws.

AGRICULTURAL DEVELOPMENT PROGRAM

The Agricultural Development program conducts a variety of activities to inform the non-farming public of the importance of agriculture to all 7.5 million New Jersey residents. Working with other agricultural organizations, the program heightens awareness of agriculture's role in New Jersey's economy.

This year the annual agricultural tour for state legislators, funded by the New Jersey Agricultural Society and participating counties, was held in Atlantic and Cape May counties. These tours give the legislators the opportunity to speak with various farmers and learn first-hand the problems and issues facing agriculture.

The Agricultural Development program is active in U.S. Secretary of Agriculture John R. Block's Agriculture in the classroom project for teachers. More than 50 teachers participated in the first tour of Morris County farms, and the same number attended two tours held in May 1984.

Other major information initiatives included the Willard H. Allen Agricultural Communicators Awards, public service radio announcements, newspaper advertisements, press releases and a quarterly newsletter.

Each year four New Jersey Century Farms -- farms which have remained in the same family for at least 100 years -- are honored. Recognized in 1984 were: Mrs Alfred Middleton Newbold's farm in Crosswicks, Mercer County, built in 1836; the Robert E. Phillips' farm in Milford, Hunterdon County, founded in 1840; Mrs W. Ellsworth Oberly's farm in Stewartsville, Warren County, dating from 1850; and the Philip Hunt Hardin farm in Newton, Sussex County, farmed by Hardins since 1855.

Jersey Fresh billboards touted New Jersey farm products in 140 locations throughout the state.

DIVISION OF ADMINISTRATION

SAMUEL GARRISON, Director

The division provides a variety of programs to support overall department operations including personnel services, budget and fiscal services, technical management and training support and other general assistance. In fiscal year 1982-83, Governor Kean established a statewide Governor's Management Improvement Plan to streamline programs and functions and increase productivity. The division played a major role in this program. Implementing GMIP involved the reorganization of some Department operations, reassignment of supervisory and management functions, expanding utilization of automated information processing activities and increased training of managers and supervisors.

PERSONNEL SERVICES

The personnel section provided, maintained, and serviced the Department's staff through the Civil Service system, union contracts, and other state employment programs. As of June 30, 1984 the department had 240 full-time and 149 part-time employees on the payroll.

Under the GMIP, the Department consolidated several major bureaus, reduced the ratio of managers to workers and strengthened the Market Development Program. Final Department of Civil Service approval for personnel is expected in September or October of 1984. In addition, the department abolished 11 more full-time positions.

Governor Kean also established an Employee Reduction Program during the fiscal year. A goal (cap) of 237 full-time permanent employees and 42 seasonal, full-time special services (non-permanent) employees must be reached by June 1985. As a result of recently enacted legislation concerning Farmland Preservation, the Department requested and received a cap adjustment from the Office of Management and Budget. Thus, the goal for 1984 was changed to 242 full-time permanent and 42 seasonal full-time special services employees.

MANAGEMENT SERVICES AND TRAINING

This unit provided specialized assistance to all Department programs through data processing counseling services, a Word Processing Center, the development of operating policies and procedures, training programs, and a variety of inter-departmental coordination services.

As a result of a recent study of electronic typewriters, several new machines have been added for increased efficiency and productivity. Two professional computer work stations are currently on order.

Again this year emphasis was placed on staff training. Twenty-five managers and supervisors are participating in the Certified Public Manager Program; 20 employees attended Civil Service offerings, 13 attended credit and non-credit professional and technical programs, and eight participated in the Department's tuition aid program.

BUDGET AND FISCAL SERVICES

During the year, the Department had the following total fiscal resources made available to it for its programs.

Source of Funds	Amount Expended
General State Funds	$ 5,768,018
Revolving State Funds (Commodity Distribution)	1,855,353
Federal Funds	2,032,321
Promotion Tax and Racing Commission Funds (Equine and Commodity Councils)	9,270,457
Miscellaneous Funds (Other Dedicated)	858,714
TOTAL	$19,784,863

While funding for state programs has remained relatively stable, there has been an increase in federal funding due mainly to the inception of the Jobs Bill program.

ADMINISTRATIVE SERVICES

A variety of essential internal services were provided during the year. Mail and messenger services, in-house duplication and printing; office supply, receiving, and delivery services; Central Motor Pool coordination; facility repair coordination; and safety programs were but some of the services performed during the year.

DIVISION OF ANIMAL HEALTH

DR. SIDNEY R. NUSBAUM, Director

An extensive livestock disease control program and a diagnostic laboratory are the responsibilities of this division.

LIVESTOCK DISEASE CONTROL

The availability of new technology in the office and laboratory allowed the division to assume a new direction and orientation in 1983-84. Meanwhile, a changing animal disease pattern resulted in a shift in program emphasis and priorities. Procedural and staff changes were made, reducing the paperwork of technical personnel, and a computerized system of animal health records was established in cooperation with the U.S. Department of Agriculture. The state remained free from bovine tuberculosis infection and enjoyed a significant decrease in the incidence of bovine brucellosis. Special efforts to detect brucellosis in limited areas were continued to ensure eradication, and nearly all seven brucellosis-infected animals were located through special test methods.

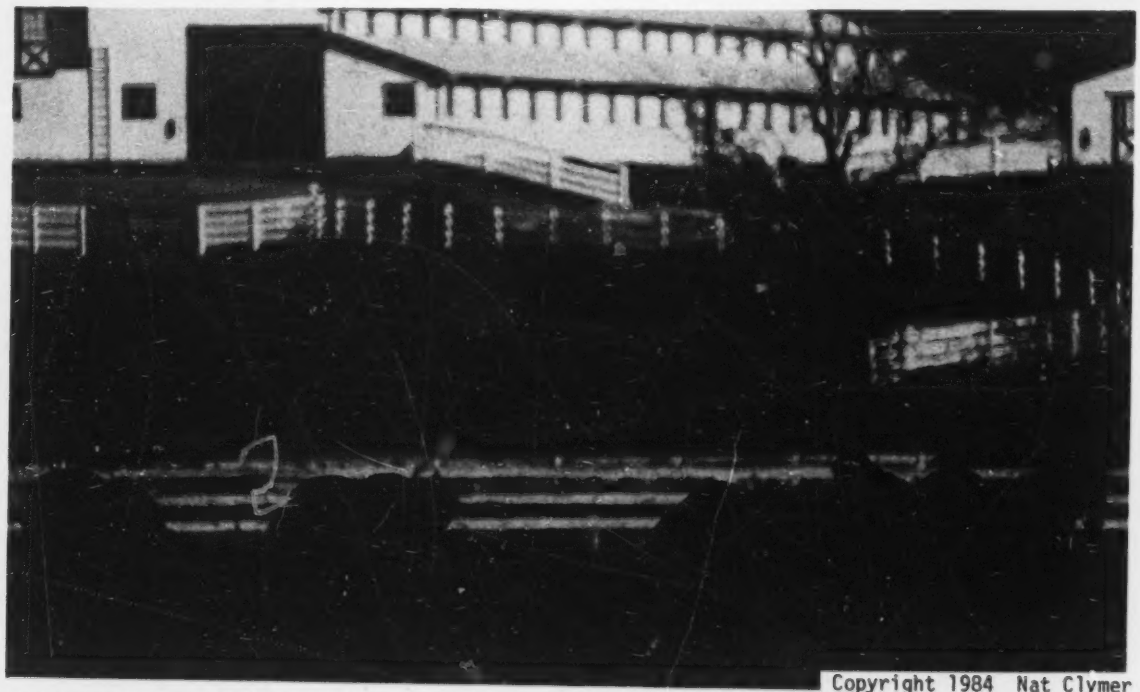
An unusual outbreak of a fatal form of equine herpes virus in race horses was investigated and the laboratory developed a new procedure to diagnose the disease. This discovery will be detailed in upcoming professional literature.

An exotic form of avian influenza which devastated the Pennsylvania poultry industry attacked one flock of 30,000 chickens in New Jersey. A task force was formed in cooperation with the U.S.D.A. and the infection was eliminated without spread to other flocks. Surveillance and embargo efforts were maintained throughout the year to avoid reinfection. Epidemiology studies are continuing to determine the cause of the outbreak.

The state continued its leadership role in the control of equine infectious anemia, citing only eight cases in the 18,000 animals examined. The division is continuing efforts aimed at tightening regulations on the sale and movement of equine to prevent the spread of disease.

In cooperation with the U.S.D.A., the division has been studying methods of transmission and testing of trichinosis in swine. New information holds the promise of prevention of this centuries-old human infection.

Intensive educational and inspection programs were conducted with swine growers to bring farms into compliance with disease control programs associated with the feeding of waste food. Those programs insure that infections in waste feed, especially from foreign ships and planes, do not cause disease in New Jersey swine.



Copyright 1984 Nat Clymer

The New Jersey horse racing industry remained one of the most successful in the world, with the sire stakes $11 million purse total ranking as the largest of any other state or Canadian province. New Jersey horse-owners bred the second largest number of mares nationwide, and the Garden State became the home of another world champian, Cam Fella, which will stand on a Burlington County horse farm.

DIVISION OF DAIRY INDUSTRY

WOODSON W. MOFFETT JR., Director

The Division of Dairy Industry is responsible for the administration and enforcement of four New Jersey statutes - the Milk Control Act, the Milk Dealer Bonding Act, the Butterfat Testing Law and the School Milk Purchase Act.

These statutes are designed to maintain an adequate supply of milk for New Jersey consumers at appropriate prices and to ensure farmers will be paid for milk delivered to plants.

Nationally, milk production increased by 1.1 percent during Fiscal Year 1983-84, but New Jersey's production was 1.5 percent below the previous year. During 1983-84, New Jersey's 545 dairy farmers produced approximately 471 million pounds of milk, having a market value of $65 million -- down 3 percent from the previous year. New Jersey's dairy farmers produced about 25 percent of the 1.9 billion pounds of fluid milk consumed by New Jersey's consumers. Fluid milk consumption in the state was up 2.2 percent from a year earlier.

CONSUMER MILK PRICES

Throughout fiscal 1983-84, New Jersey's consumers enjoyed some of the lowest milk prices in the nation thanks to aggressive enforcement of regulations prohibiting sales of milk below cost and other unfair trade practices.

New Jersey's consumers spent $22 million less for their whole milk purchases than was paid by consumers in New York and Pennsylvania, and $33 million less than the average amount paid by consumers throughout the United States. The division continued to use cost guidelines, which, although generally accepted throughout the industry, were challenged by a small store operator in Hunterdon County. The matter is awaiting decision by an administrative law judge.

PRODUCER MILK PRICE ORDERS

The function for the New Jersey Milk Control Program is the Department's enforcement of joint federal/state regulations which control minimum prices paid to dairy farmers under Federal Order No. 2 (North Jersey) and Federal Order No. 4 (South Jersey).

No major changes were made to the Orders during the 1983-84 Fiscal Year. A hearing was held to consider the addition of certain northeastern Pennsylvania counties to Orders 2 and 4, but a decision was not made.

More than 8,800 butterfat tests were conducted to ensure accurate payment to farmers, and the division continued to bond all milk dealers buying directly from New Jersey farmers.

LICENSING AND ENFORCEMENT

The division processed 15,644 license applications and held 81 hearings on alleged violations. The licensing and enforcement activities generated $540,768.

The sharp increase in revenues reflects a change in the license fee structure under the Milk Control Act and a lag in issuing the 1983-84 licenses, pending action on the milk control law amendment which increased revenues.

MARKET RESEARCH AND ECONOMIC ANALYSIS

Division personnel continued to collect, analyze and publish comprehensive information on the New Jersey dairy industry (Milk Market Bulletin, Annual November Sales Analysis, Monthly Statistical Tables, etc). The information was disseminated to dairy farmers, public libraries, dairy industry researchers, government officials and other persons with demands for industry information.

Substantial changes were made to streamline the data gathering, data processing and information disseminating system. Some report forms were eliminated while others were restructured. Historical data for the last decade were consolidated into a ready-to-use publication, and the Milk Market Bulletin was changed from a bi-monthly to a quarterly publication. These changes reduced paperwork, increased productivity and reduced division publication costs.

SCHOOL MILK PURCHASE ACT

The School Milk Purchase Act, stipulates school boards must obtain an agreement from the successful bidder that he will purchase a quantity of New Jersey produced milk at least equivalent to that supplied to schools. It requires a copy of the agreement be filed with the Secretary of Agriculture. Because of budget cutbacks, enforcement activity during the year was limited to the receipt and filing of the agreements.

DIVISION OF MARKETS

JOHN J. REPKO, Director

The division conducts a variety of programs designed to assist New Jersey farmers in effectively marketing their products. It also promotes the state's equine industry through breeder incentive awards and coordinates distribution of federal surplus and school lunch commodities.

MARKET DEVELOPMENT PROGRAMS

The Department launched the first state-funded marketing campaign for New Jersey farm products in May 1984 with the consumer-directed "Jersey Fresh" advertising and promotion program.

The $325,000 campaign, funded by the state legislature and unveiled at the New Jersey Marketing Institute in January 1984, included radio advertising on New York City, Philadelphia and New Jersey stations, billboard advertising, and in-store promotional displays in supermarkets, food stores, and other retail farm markets.

Gillespie Advertising of Princeton, retained by the Department, supervised the artistic and creative elements of the campaign, including special events and promotions. Department staff continued to work with product promotion councils to enhance existing marketing programs.

Matching funds from the legislative appropriation were granted to some commodity organizations to assist with their promotional efforts. Work continued on a variety of special events and promotions, including the New Jersey Farm Fair at the Philadelphia Zoo in August 1983, supermarket promotions at Kings Super Markets and Foodtown markets statewide, the County Farm Festival at the Quaker Bridge Mall, Lawrenceville, to celebrate Agriculture Day, exhibits at the U.S. International Food Show in New York City and the New Jersey Flower and Garden Show at the Morristown National Guard Armory.

The Department's new advertising logo began cropping up on billboards, packaging, posters, and buttons as it launched the state's first multi-media advertising campaign for New Jersey farm products. The campaign included radio commercials and matching funds for product promotion council programs.

NEW JERSEY SIRE STAKES

The state's standardbred racing programs remained the richest in any state or Canadian province, with $11.5 million in purses. New Jersey's horse racing industry continued to grow, with New Jersey horse farms breeding more mares--3,560--than any other state except New York, and with the Meadowlands ranking number one in the work in attendance, purses and world records.

New Jersey bred trotters won all three heats of the prestigious Dexter Cup, with Speed Merchant winning the final. The victories bring New Jersey trotters up to par with its pacers, a claim no other state program can make.

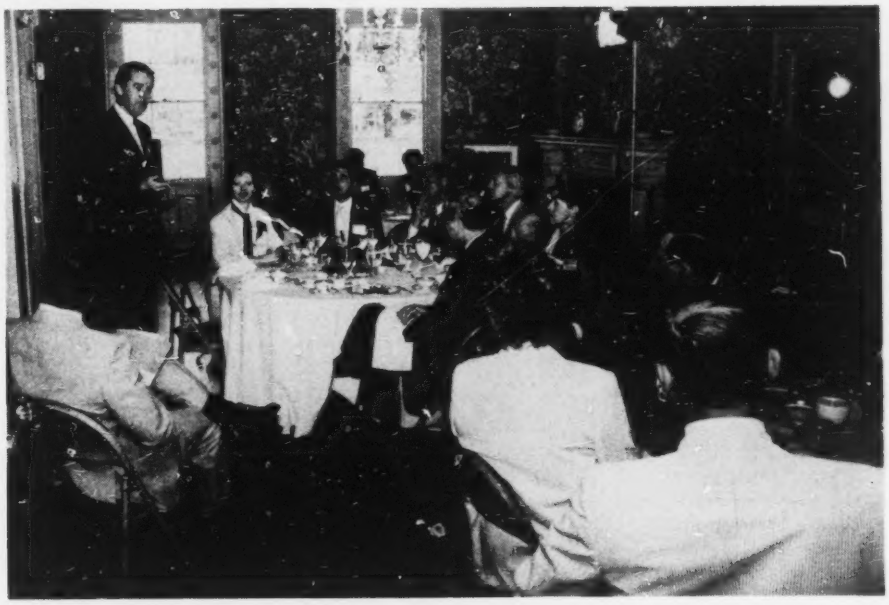
For the third straight year, the national pacing champion will stand in New Jersey. Cam Fella, winner of 26 races, will join 1982 champion Ghengis Kahn and 1981 champion Whata Baron.

EQUINE PROGRAMS

An architectural firm has been selected to design the first two rings and two buildings of the state's first horse park in Stone Tavern in Upper Freehold Township. New Jersey horses were featured at the 15th annual New Jersey-Bred All Breed Show and the Horse Expo at the New Jersey State Fair at Great Adventure. The 27th annual New Jersey Bred Breeder Awards dinner was held at the Capitol Plaza in Trenton. Awards for Horseperson of the Year, Standardbred Horse of the Year and Thoroughbred Horse of the Year were presented by Secretary of Agriculture Brown.

FOOD DISTRIBUTIONS PROGRAMS

New Jersey receives approximately $25 million worth of federally-donated food for school and institutional feeding programs. Combined with the current program of surplus food distribution to the needy, the program value totaled more than $46 million per year, doubling the value of the food distribution program. More than 6.7 million pounds of processed American cheese valued at $9 million and 5,346,780 pounds of butter valued at $8 million were distributed to 560,000 needy families in 1983. The section also began the distribution of "Jobs Bill" Title 1 foods on a limited basis to all state and non-profit institutions participating in its on-going institutional feeding program. Under this program, the section organized and established a system for the distribution of 5,675,535 pounds of dry foods to food banks valued at $3 million.



Governor Kean elicits the support of food and supermarket industry executives for the Department's "Jersey Fresh" farm product promotional campaign at a breakfast meeting at Drumthwacket. The meeting proved successful, with many executives promising their stores' active participation in the marketing effort.

DIVISION OF PLANT INDUSTRY

WILLIAM W. METTERHOUSE, Director

The Division of Plant Industry inspects and monitors for infestation and plant diseases, conducts nursery and apiary inspections throughout the state and maintains seed surveillance and certification under the New Jersey Seed Certification program. In addition, the division supervises the spray treatment of gypsy moth infestations, provides diagnostic services, inspects vegetable transplants and directs the Department's integrated pest management program, which combines chemical and biological pest controls to limit pest populations.

BIOLOGICAL CONTROL PROGRAMS

The division maintains two laboratories devoted, in large part, to beneficial insect rearing. Parasitic wasps and other insects imported from their native countries, are bred in the laboratories and subsequently released in a controlled manner into the New Jersey environment to help combat destructive forest, farm and garden pests. Pests such as the Colorado potato beetle, the Mexican bean beetle and the gypsy moth, imported in the state either in shipping or by man, would proliferate without the use of parasites and predators. A combination of these biological and chemical pest controls helps reduce the pesticide levels in the environment and the resistance of certain pests to chemical controls. The Department maintains biological control programs against the Colorado potato beetle, Mexican bean beetle, gypsy moth, European corn borer, musk thistle, alfalfa weevil and cereal leaf beetle. Construction of a new 21,000-square-foot beneficial insect rearing laboratory in Ewing Township will permit the department to expand its production of biological insect parasites and predators. The facility is scheduled for completion in the fall of 1984.

During the 1983 season, 859,700 gypsy moth parasites were laboratory-reared and released. Field evaluation of gypsy moth parasites in the 17 permanent study plots indicated that 15.5 percent of the larvae and pupae were attacked (parasitized) by eight species of parasites.

The alfalfa weevil bio-evaluation study was conducted in 43 fields in 13 counties. The survey indicated that this pest is still well below economic impact levels in New Jersey, since the average peak number of larvae per sweep was only 5.4. More than 46 percent of the larvae sampled were parasitized.The biological control of Mexican bean beetle continued during 1983-84. As part of a regional bio-control demonstration project in cooperation with the USDA Animal and Plant Health Inspection Service and the states of Delaware, Maryland, and Virginia, more than 2.3 million larval parasites were reared in Department laboratories, released, and evaluated in 139 plots and 93 one-acre soybean evaluation sites. Parasitism of the beetle larvae combined with the hot, dry weather, kept the pest from becoming a problem for New Jersey soybean growers in 1983. Although federal funding for the project was cut, the Department will continue to conduct a Mexican bean beetle control program in 1984.

During the past year, 267,570 imported egg parasites of the Colorado potato beetle were laboratory reared and released in cooperation with Rutgers University. Evaluation of the parasite release study indicated 11.9 percent of the beetle egg masses were parasitized. A similar study in eggplant indicated 67.5 percent of the egg masses were attacked. The seed weevil, Rhinocyllus conicus, an imported predator of the musk thistle, is established in at least 52 sites in seven counties. This species had been released in New Jersey during 1975-82. Monitoring of these sites in 1983 revealed an average of 51 percent of the thistle heads infested with the predator, and an average of nine predator grubs per head.

Collections of 1982-83 overwintering European corn larvae for larval parasite evaluation revealed 16.8 percent parasitism. The parasite L.thompsoni was well established within the state during the 1940s and had held down populations. However, surveys in the 1960s and 1970s failed to recover the parasite. Parasites reintroduced from Yugoslavia during the years 1975-1978 are responsible for the re-establishment of this species in six of the 15 field sites surveyed in 1983.

COOPERATIVE GYPSY MOTH SUPPRESSION PROGRAM

The Department's gypsy moth program began May 16, and was completed June 4, 1984, with more than 38,000 acres of forested residential and recreational lands treated for gypsy moth infestation. The 50 municipalities participating in the Department-supervised program, chose one of three insecticides offered and received 50 percent reimbursement from the U.S. Forest Service.

Of the total acres treated, 18,606 were sprayed with carbaryl (Sevin), 15,368 with Bacillus thuringiensis, a non- chemical bacteria, and 4,072 acres with trichlorfon, (Dylox).

GYPSY MOTH AERIAL SURVEY

Hardwood tree defoliation by the caterpillar decreased this spring from 379,535 acres to 165,000 acres in 1984. This represents the third consecutive year of declining populations. The decline is due to increased activity of gypsy moth parasites and large virus loads in the pest population.

NURSERY INSPECTION 1983-1984

Nine hundred and ninety-two nurseries were inspected for Department nursery certification, a decrease of 39 from the previous year. Four hundred and twenty-three certificates were issued to dealers in nursery stock, an increase of 15 from last year. During spring and fall, 1,139 inspections were made of dealer establishments to determine whether held-over stock was free of plant pests and diseases. Infested plant material was found on the premises of 104 dealers.

Two hundred and fifty-two special certificates were issued to nurserymen and residents of New Jersey to ship plant material out-of-state, and 109 special certificates were issued for the movement of plant material to Canada. One hundred and twenty three special inspections were made for New Jersey residents regarding control for insects and diseases.

BEE INSPECTION

Bee diseases have been kept in check due to the Department's disease eradication program. During the fiscal year, 908 apiaries were visited and 11,534 colonies of honeybees were surveyed or inspected. A total of 271 colonies in 52 apiaries were found infected with American foul brood and 101 colonies in 25 apiaries were infected with European foul brood.

BUREAU OF SEED CONTROL

To enforce the New Jersey seed law, inspectors purchase seed as consumers do. Tests were made on 1,480 samples purchased, 50 were mislabeled. Another 58 samples were found obviously mislabeled and removed from sale immediately. A total of 7.3 percent of the samples considered by the inspector were in violation. All of this seed is placed on stop sale until it is brought in compliance with the New Jersey Seed Law, returned to the wholesale shipper, or destroyed.

The seed laboratory tests control samples and provides technical information to determine compliance with the seed law. Services are also provided for seedsmen, farmers, dealers and other state agencies. All seed for certification is tested before final approval.

A total of 4,418 tests were made on 3,493 samples. This was an increase of 15 percent above last year. These tests were as follows: purity 383, germination 3,455, noxious weed examination 374, and various other tests as required, 206.

A total of 5,713 acres of barley, wheat, and soybeans was entered into the certification program. These crops require field inspections for trueness-to-variety and contamination. The seed produced is laboratory tested after it has been conditioned to insure high quality before certification tags are issued.

Governor Kean samples some prize-winning New Jersey honey at the annual New Jersey Honey Show at the State House Rotunda in January, as Suzanne Nordman of Hackettstown, the Garden State's Honey Queen looks on. The annual exhibit is organized by the staff of the Department's Division of Plant Industry and the New Jersey Beekeeper's Association.

DIVISION OF REGULATORY SERVICES

ROBERT C. FRINGER, Director

The Division of Regulatory Services enforces laws regarding registration, labeling and analyses of animal feed, fertilizers and liming materials, controlled atmosphere storage of apples and the licensing and bonding of dealers, agents and brokers of perishable agricultural commodities. Laws relating to advertising, condition and grade of eggs and white potatoes for sale in New Jersey also are enforced. The division manages self-supporting inspection and grading programs for fruits and vegetables, eggs, egg products and poultry. Each program is administered in cooperation with the United States Department of Agriculture.

BUREAU OF COMMODITY INSPECTION AND GRADING

Agricultural agents inspected and certified 15,491 lots of eggs and graded over 16 million dozens. Grading also included 32 million pounds of turkey and 24 million pounds of chicken. 130 million pounds of egg products were processed under direct supervision of New Jersey agricultural products agents.

The avian influenza outbreak in 1983 had a marked impact on division operations. The lack of a steady supply of domestic eggs forced New Jersey egg processors to import foreign eggs. These plants have continued to use foreign eggs despite the easing of the USDA quarantine for southern New Jersey and parts of Pennsylvania.

Agricultural product agents made 576 unannounced regulatory visits to registered New Jersey egg handlers under the Federal Egg Products Inspection Act. These visits resulted in the removal of 22,708 dozens of eggs from trade channels because of failure to conform to required standards.

Fifteen thousand four hundred and ninety-one lot inspections of eggs were made at stores to determine if standards were being met for the grade and size-weight class which appears on the container. There were 155 violations. Penalties resulting from these inspections, totaling $11,275, were forwarded to the General Treasury, which partially offset program costs.

Shipping point inspections were made on 43 million pounds of produce, a 23 percent increase over 1983. Most of these shipments contained apples, cabbage, lettuce, Chilean grapes (for reshipment to Canada) peaches and potatoes. Processing inspections for grade were performed on 137 million pounds of various fruits and vegetables.

Secretary of Agriculture Brown and "Jersey Fresh" spokeswoman Patricia McCann celebrate 1984 Agricultural Day at a Country Farm Festival at the Quakerbridge Mall in Lawrenceville. The festival featured farm exhibits and displays and highlighted the "Jersey Fresh" marketing program.

Inspections were made on 5,059 lots of potatoes, with 26 lots found in violation of the potato labeling law. The law prohibits potato package misbranding relating to size, quality, condition and grade. Approximately 3,000 pounds of potatoes were removed. Twenty-four inspections were made at seven controlled atmosphere storage operations licensed by the Department. Packages of apples containing the words "controlled atmosphere" denote that the contents have been stored under certain atmospheric and temperature conditions which preserve the viability of the product.

BUREAU OF AGRICULTURAL CHEMISTRY

Division personnel continue to survey for aflatoxins in various animal feeds and feed ingredients. All concentration levels found have been less than Federal FDA allowable tolerances.

The division evaluated EDB (ethylene dibromide) and mycotoxins in animal feeds. EDB was registered for use as a pre-plant soil fumigant and for fumigation of grain milling machinery. Recent studies have indicated that the use of EDB may pose a health risk to the public. A survey showed no New Jersey feed milling facilities used EDB in the past two years. Agricultural products agents collected various samples of grains for analysis. All samples were found to be free of EDB.

During the year, 561 firms dealing in commercial feeds, fertilizers and liming materials registered with the division. Agricultural products agents examined 5,978 lots of commercial feeds, fertilizer and liming materials and other agricultural commodities. Of 795 commercial feed samples analyzed, 10 percent were found in violation. Twenty percent of 758 fertilizer samples and 5 percent of 67 liming material samples collected for analyses were found in violation.

BUREAU OF LICENSING AND BONDING

Licensing and Bonding Law licenses were issued to 234 produce dealers, 27 shell egg dealers, 5 live poultry dealers and 57 hay, grain and straw dealers. Other licenses totaled 570. License fees, registration, tonnage inspection fees and penalties totaled $161,218. Six complaints from farmers regarding dealer payments resulted in final payments for the products received.

DIVISION OF RURAL RESOURCES

RICHARD D. CHUMNEY, Director

STATE AGRICULTURAL DEVELOPMENT COMMITTEE

First convened in July 1983, the committee oversees the state's farmland preservation program. Although independent of the Department, it functions with staff assistance from the Division of Rural Resources. The program is managed at the county and local government levels, but the committee arbitrates right to farm disputes, approves agricultural retention areas designated by counties, assists in the creation of County Agricultural Development Boards, and distributes 50 percent cost-sharing funds from the 1981 farmland bond issue for easement purchase and soil and water conservation projects.

The committee also will review government and private programs which could have an adverse impact on production agriculture, seek remedial action for the farm community, and promote the interest of agriculture. This year the 11-member body, chaired by the Secretary of Agriculture, established guidelines for farm operations to be used in right-to-farm disputes against farmers.

Other members of the committee are: The commissioners of the departments of community affairs and environmental protection, the State Treasurer, the Dean of Cook College, Rutgers University, and six public members appointed by the Governor and confirmed by the Senate. The public members are: David W. Buchholz, Pittstown (Hunterdon); Samuel M. Hamill, Jr., Lawrenceville (Mercer); Wallace E. Johnson, Holmdel (Monmouth); William H. Pettit, Juliustown (Burlington); Kenneth J. Roehrich, Hackettstown, (Morris); and G. Erwin Sheppard, Bridgeton (Cumberland).

RURAL RESOURCE SERVICE

The State Agriculture Development Committee implemented the Agricultural Retention and Development Act during this fiscal year. Assistance was provided to the 11 County Agriculture Development Boards to establish preservation programs.The Department helped draft rules for agriculture development areas, farmland preservation programs, acquisition of development easements, and soil and water conservation projects. The counties participating in preservation programs are: Hunterdon, Burlington, Monmouth, Warren, Morris, Somerset, Sussex, Mercer, Gloucester, Salem and Cumberland. Implementing the Right-to-Farm Act, designed to improve New Jersey's agricultural business climate and protect farmers against unwarranted nuisance complaints, began with legally defining agricultural management practices. The Department relied on recommendations of the New Jersey Agricultural Experiment Station in cooperation with county agriculture development boards in formulating these standard practices.

The Department also worked with the Rural Advisory Council to study and make recommendations concerning the social and economic conditions in rural areas, such as land use, planning, farm production, taxation, farm labor, water supply, marketing, schools, health services, police and fire protections and industrial development.

Rural Advisory Council appointments made by Governor Kean included: Charles A. Dupras, Mays Landing; Edward Nowicki, Sussex; Marjorie Van Ness, Flemington; and J. Peter Vermeulen, Neshanic Station. Other council members include: J. Wilson Hughes, Monroeville, chairman; Walter Ellis, Jr., Hamilton Township; Dorothy Kostro, Neshanic Station; Erwin Sheppard, Cedarville; and John R. Traino, Maple Shade; James L. Roberts, Madison; vice-chairman.

RURAL DEVELOPMENT SERVICES

Efforts by the Department's rural development services section, in cooperation with the departments of commerce and economic development, community affairs, environmental protection, the state Economic Development Authority and Cook College, Rutgers University, have resulted in construction of a $15 million egg production and packing complex in rural Warren County.

The 1.1 million-bird poultry farm financed by private investors, will supply the New Jersey-New York metropolitan area with 30 million dozen eggs per year. Industry studies estimate regional cash flow approximating $25 million annually from the business activity, with 100 permanent jobs. In addition, the potential for New Jersey-grown corn sales for feed could exceed 1 million bushels each year.

The unanimous passage of Assembly bill A-1713 Chapter 88, 1984 will provide a "temporary and limited exemption for certain alcohol-blended fuel from the tax on motor fuels" from grain products derived and produced in New Jersey. This statute makes possible construction of a $38.5 million ethyl alcohol complex in Salem County. Approximately 4 million bushels of corn will be utilized at the facility each year. The Department also continued to work to resolve issues regarding high farm electric rates and organized a computer trade show for New Jersey Farmers Week.

NATURAL RESOURCE CONSERVATION AND DEVELOPMENT

Soil and water conservation and development programs were managed by the State Soil Conservation Committee and the 16 local conservation districts in cooperation with the U.S. Soil Conservation Service and other USDA agencies. Technical and financial assistance was provided to landowners to control soil erosion, water management and non-point source pollution problems.

Conservation plans were developed for more than 30,900 acres of farmland. More than 117,000 acres of cropland benefited from such conservation practices as terraces, diversions, windbreaks and irrigation systems. Conservation tillage was used on 79,600 acres. Recent surveys show that soil losses have been reduced to less than six tons per acre per year.

Soil erosion and sediment controls were applied to 25,000 acres of land undergoing development. Of the 2,750 project plans submitted for district review, more than 2,500 were certified as adequate. Reports of compliance were issued on 1,920 completed projects with more than 31,000 site inspections performed. Performance inspections were made in each of the 84 municipalities having designated responsibility for this program.

Watershed approaches were emphasized to control soil and water management problems in problem areas. The Navesink Watershed, which was approved for funding and planning, will reduce sediment entering the swimming River Reservoir and bacterial pollution in the Navesink River and estuary. Work continues in the Assunpink Creek Watershed Project for flood protection, land treatment and recreation facilities. Control of soil erosion and animal waste disposal continued in the Clove Brook and Upper Salem River watersheds.

A state cost share program for conservation practices on agricultural lands was developed, with 19 soil and water management practices approved. Programs for the utilization of septage and sewage sludges on farmlands were developed in cooperation with the State Sludge Disposal Task Force.

FISHERIES AND AQUACULTURE DEVELOPMENT

A New Jersey Fisheries Development Commission created by Governor Kean, underscored the administration's commitment to expand and revitalize the state's $500 million fish and seafood industry.

The Port Authority authorized approximately $27 million to support fish and seafood development in New Jersey. This, along with the combined efforts of several state agencies, including the Department, is expected to help further this goal. The Secretary of Agriculture will be one of a three-member Board of Directors of the newly-formed bi-state fisheries development agency created by the Port.

This year, the Department participated in domestic and international trade shows promoting the fish and seafood industry, including a food show in Paris.

An innovative aquaculture fish farming program has been initiated for urban areas in New Jersey. A pilot project, the facility will house large fish tanks for the production of Nile perch. The Department, the principal contractor for the Port Authority funded project, will coordinate the markets for the fish grown in the facility.

CROP REPORTING SERVICE

During fiscal year 1984, the New Jersey Crop Reporting Service conducted 211 statistical surveys. Those surveys were the basis for official estimates of crops, livestock, poultry, dairy, prices, labor and related agricultural items. There were 141 statistical reports submitted to headquarters and 39 publications were released that distributed official estimates to the public. During the year, the New Jersey Crop Reporting Service responded to 1,961 requests for its data from farm organizations and trade groups, university economists, railroads and transportation services, warehouse and storage companies, insurance and credit organizations, banks, farm writers and broadcasters, U.S. Congressmen, processors and commodity buyers.

BUREAUS, SERVICES, AND SECTIONS

NEW JERSEY DEPARTMENT OF AGRICULTURE

CN-330, TRENTON, NEW JERSEY 08625

Area Code 609

OFFICE OF THE SECRETARY - 292-3976

Public Information - 292-8896

Agricultural Development - 292-8897

Hearings and Administrative Practices - 292-8896

DIVISION OF ADMINISTRATION - 292-6931

Personnel Services - 292-5517

Budget and Fiscal Services - 292-7738

Management and Training Services - 292-8825

Administrative Services - 292-5674

DIVISION OF ANIMAL HEALTH - 292-3965

Livestock Disease Control - 292-3965

Diagnostic Laboratory Services - 984-2250

DIVISION OF DAIRY INDUSTRY - 292-5646

Bureau of Licensing and Enforcement - 292-7628

Dairy Industry Auditing - 984-2512

Consumer Milk Prices - 292-5646

DIVISION OF MARKETS - 292-5536

Market Expansion Section - 292-8853

Market Facilities - 292-5565

Market News Section - 292-5565

Bureau of Cooperative Services - 984-4385

Food Distribution Section - 292-5068

Equine Programs Section - 292-8830

DIVISION OF PLANT INDUSTRY - 292-5441

Biological Control Programs - 292-5441

Bureau of Entomology - 292-5440

Bureau of Plant Pest and Disease Control - 292-5440

Bureau of Seed Certification and Seed Control - 292-6075

DIVISION OF REGULATORY SERVICES - 292-5575

Bureau of Agricultural Chemistry - 984-2222

Bureau of Licensing and Bonding - 292-5577

Bureau of Commodity Inspection and Grading - 292-5556

DIVISION OF RURAL RESOURCES - 292-5532

Natural Resource Conservation and Development - 292-5540

Rural Resource Services - 984 -2506

Rural Development Services - 984 -2503

Fish and Seafood Industry Development - 984-6757

Crop Reporting Service - 292-6385

State Agricultural Development Committee - 984-2504